

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015100.D
 Acq On : 09 Mar 2020 16:31
 Operator : SY/VA
 Sample : VW0309SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 VW0309SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:24:06 PM

Quant Time: Mar 10 18:23:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	447746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	833358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	741696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	325169	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	349887	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	7.88	113	260249	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.32	98	1130482	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
62) 4-Bromofluorobenzene	12.62	95	372344	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	59553	21.935	ug/l	100
3) Chloromethane	2.21	50	117572	20.180	ug/l	99
4) Vinyl Chloride	2.37	62	154995	20.321	ug/l	96
5) Bromomethane	2.78	94	99235	22.761	ug/l	97
6) Chloroethane	2.92	64	92506	20.939	ug/l	98
7) Trichlorofluoromethane	3.26	101	82875	21.712	ug/l	95
8) Diethyl Ether	3.68	74	60669	20.860	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120840	20.768	ug/l	98
10) Methyl Iodide	4.27	142	136641	21.109	ug/l	99
11) Tert butyl alcohol	5.18	59	40462	106.940	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	119349	20.979	ug/l	98
13) Acrolein	3.89	56	59672	107.836	ug/l	97
14) Allyl chloride	4.67	41	241239	21.160	ug/l	100
15) Acrylonitrile	5.37	53	150046	100.646	ug/l	99
16) Acetone	4.13	43	136256	90.750	ug/l	99
17) Carbon Disulfide	4.38	76	415121	20.581	ug/l	99
18) Methyl Acetate	4.67	43	71994	20.228	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	161076	22.118	ug/l	91
20) Methylene Chloride	4.91	84	145072	21.442	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	129121	21.377	ug/l	97
22) Diisopropyl ether	6.31	45	487815	22.300	ug/l	98
23) Vinyl Acetate	6.25	43	1363557	105.593	ug/l	99
24) 1,1-Dichloroethane	6.21	63	270920	21.238	ug/l	98
25) 2-Butanone	7.16	43	207653	100.885	ug/l	97
26) 2,2-Dichloropropane	7.16	77	163947	22.471	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	134486	21.387	ug/l	97
28) Bromochloromethane	7.51	49	121321	19.848	ug/l	100
29) Tetrahydrofuran	7.53	42	128704	99.966	ug/l	100
30) Chloroform	7.67	83	240032	21.203	ug/l	96
31) Cyclohexane	7.95	56	276161	21.049	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	186355	21.083	ug/l	99
36) 1,1-Dichloropropene	8.08	75	206980	21.417	ug/l	99
37) Ethyl Acetate	7.25	43	98229	20.394	ug/l	99
38) Carbon Tetrachloride	8.07	117	165339	21.016	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	226416	20.490	ug/l	99
40) Benzene	8.32	78	571126	21.265	ug/l	100
41) Methacrylonitrile	7.48	41	52255	20.513	ug/l	96
42) 1,2-Dichloroethane	8.40	62	171793	20.995	ug/l	100
43) Isopropyl Acetate	8.42	43	176021	20.384	ug/l	99
44) Trichloroethene	9.09	130	116367	20.355	ug/l	97
45) 1,2-Dichloropropane	9.37	63	151822	20.991	ug/l	99
46) Dibromomethane	9.46	93	64030	20.359	ug/l	99
47) Bromodichloromethane	9.64	83	172758	20.575	ug/l	100
48) Methyl methacrylate	9.43	41	77211	19.093	ug/l	100
49) 1,4-Dioxane	9.46	88	15860	329.381	ug/l #	64
51) 4-Methyl-2-Pentanone	10.21	43	457517	95.924	ug/l	99
52) Toluene	10.38	92	327833	21.248	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	167269	20.249	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	204656	20.338	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	87198	20.234	ug/l	99
56) Ethyl methacrylate	10.65	69	110904	19.161	ug/l	97
57) 1,3-Dichloropropane	10.93	76	171893	20.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	326409	100.046	ug/l	100
59) 2-Hexanone	10.96	43	288883	91.012	ug/l	99
60) Dibromochloromethane	11.13	129	88273	19.833	ug/l	98
61) 1,2-Dibromoethane	11.23	107	78037	20.426	ug/l	98
64) Tetrachloroethene	10.86	164	88802	20.747	ug/l	99
65) Chlorobenzene	11.66	112	313377	21.050	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	101606	20.496	ug/l	100
67) Ethyl Benzene	11.73	91	619548	21.386	ug/l	100
68) m/p-Xylenes	11.83	106	438252	42.793	ug/l	100
69) o-Xylene	12.16	106	190453	20.645	ug/l	98
70) Styrene	12.18	104	333073	21.071	ug/l	99
71) Bromoform	12.35	173	42843	19.474	ug/l #	98
73) Isopropylbenzene	12.46	105	541971	21.819	ug/l	99
74) N-amyl acetate	12.27	43	148254	19.745	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	104797	20.777	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	83053m	22.599	ug/l	
77) Bromobenzene	12.74	156	105891	21.569	ug/l	100
78) n-propylbenzene	12.80	91	715268	22.158	ug/l	100
79) 2-Chlorotoluene	12.89	91	397834	21.920	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	466375	21.837	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	30948	19.021	ug/l	92
82) 4-Chlorotoluene	12.99	91	422451	21.857	ug/l	100
83) tert-Butylbenzene	13.21	119	372170	21.510	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	469194	21.971	ug/l	99
85) sec-Butylbenzene	13.38	105	571866	21.840	ug/l	100
86) p-Isopropyltoluene	13.49	119	485370	21.565	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	222380	21.378	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	213110	20.806	ug/l	97
89) n-Butylbenzene	13.82	91	518174	21.347	ug/l	99
90) Hexachloroethane	14.09	117	92459	20.483	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	189681	20.820	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16178	19.974	ug/l	94

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Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

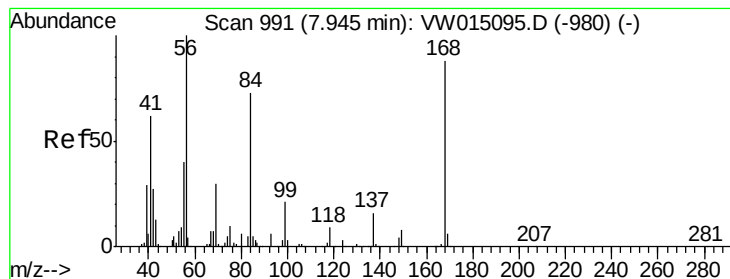
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	104772	20.096	ug/l	99
94) Hexachlorobutadiene	15.24	225	66216	20.229	ug/l	97
95) Naphthalene	15.36	128	183682	18.221	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	91351	19.755	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tot Ion:168 Resp: 447746

Ion Ratio Lower Upper

168 100

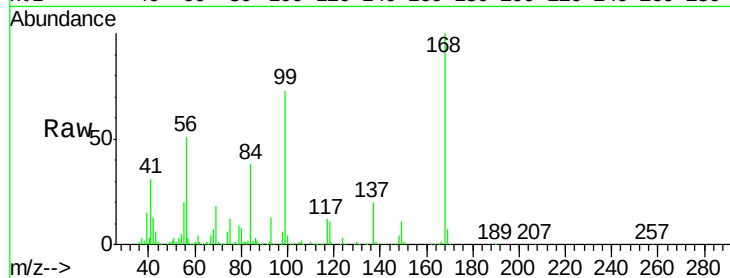
99 73.1 57.2 85.8

Manual Integrations

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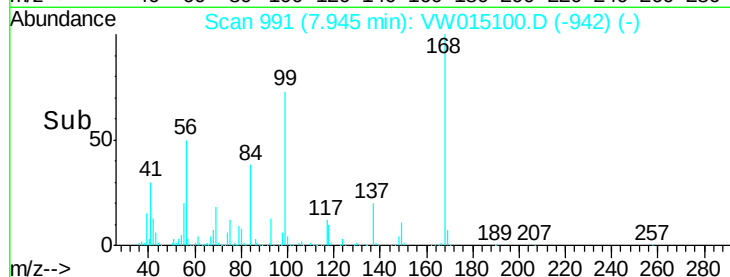
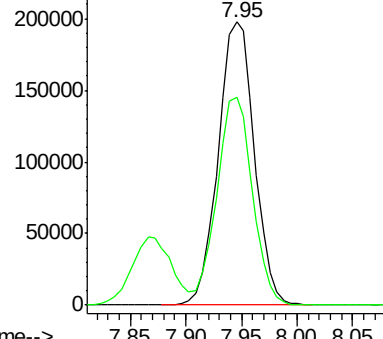
MMDadoda

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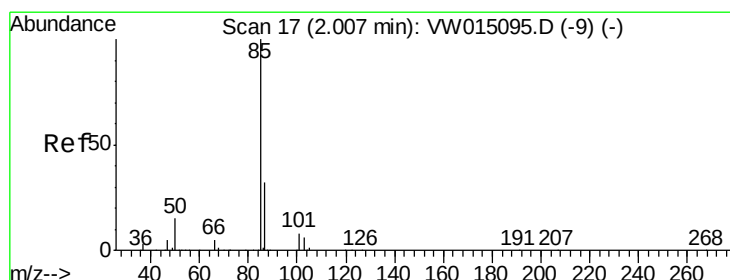


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



Time-->



#2

Dichlorodifluoromethane

Concen: 21.935 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015100.D

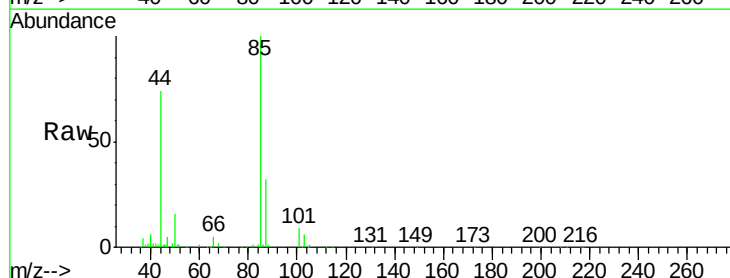
Acq: 09 Mar 2020 16:31

Tgt Ion: 85 Resp: 59553

Ion Ratio Lower Upper

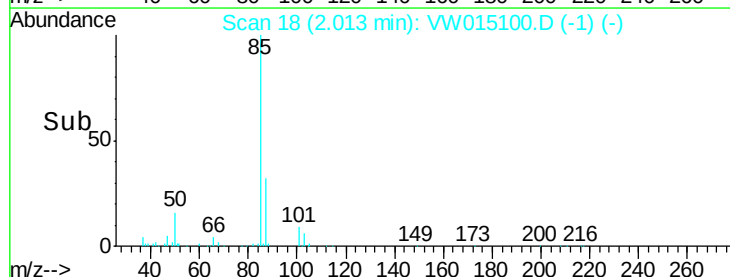
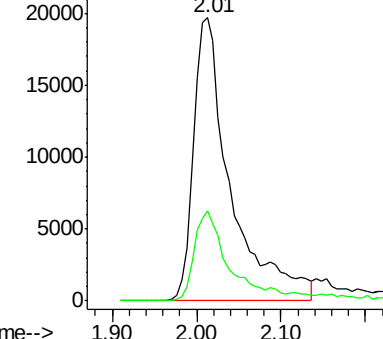
85 100

87 32.0 16.2 48.5

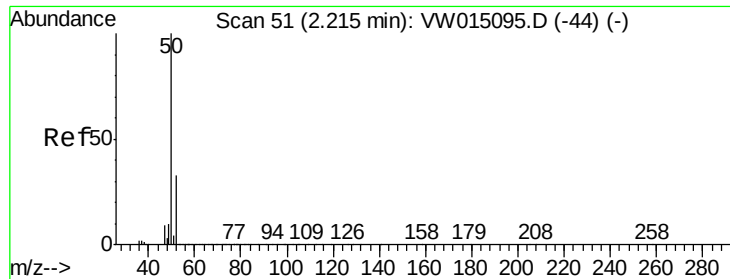


Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



Time-->



#3

Chloromethane

Concen: 20.180 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tot Ion: 50 Resp: 117572

Ion Ratio Lower Upper

50 100

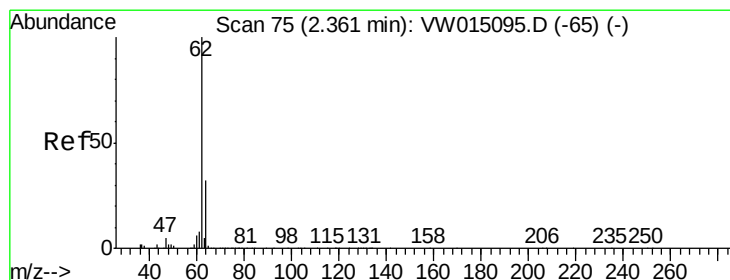
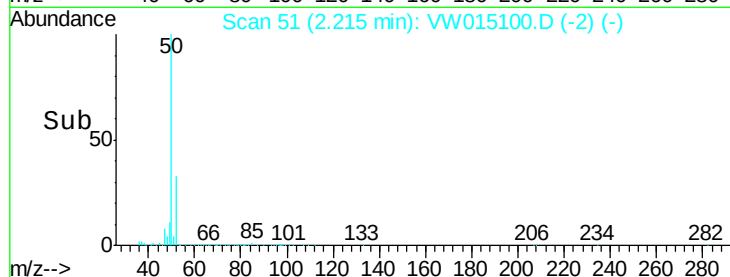
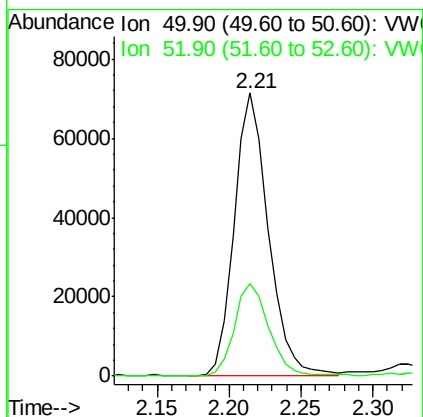
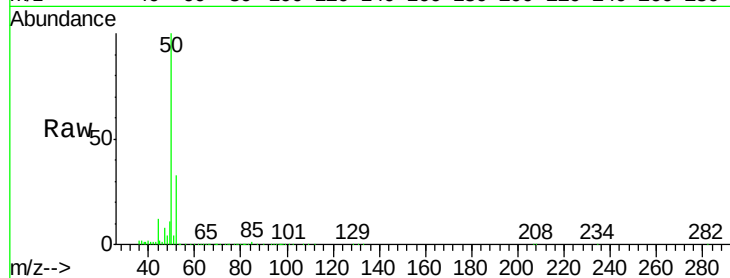
52 32.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.321 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015100.D

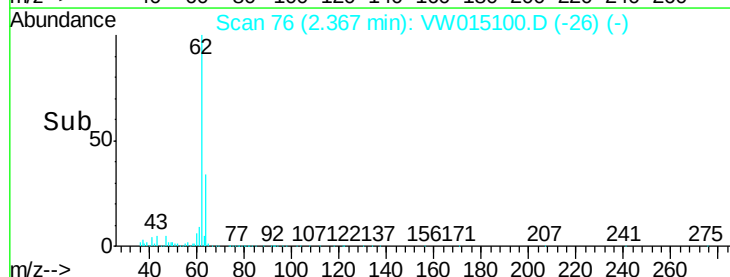
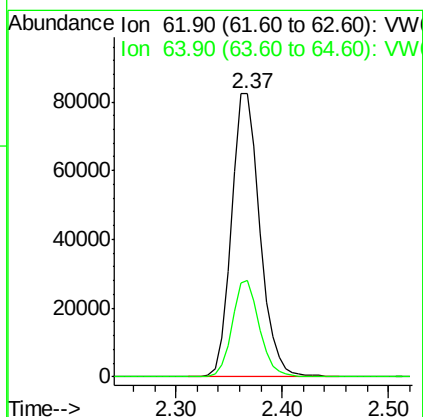
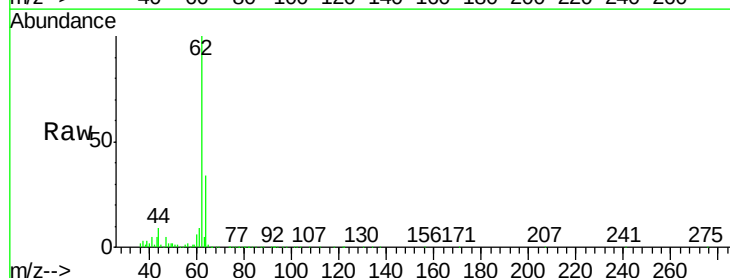
Acq: 09 Mar 2020 16:31

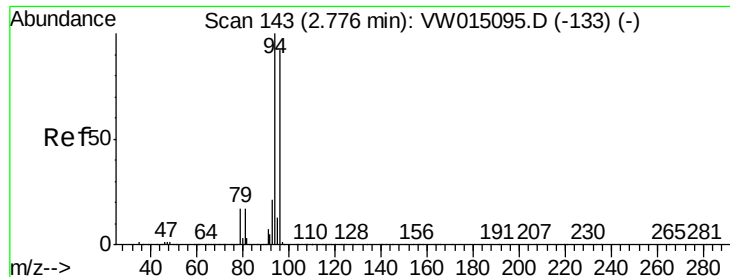
Tgt Ion: 62 Resp: 154995

Ion Ratio Lower Upper

62 100

64 33.9 25.3 37.9





#5

Bromomethane

Concen: 22.761 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tot Ion: 94 Resp: 99235

Ion Ratio Lower Upper

94 100

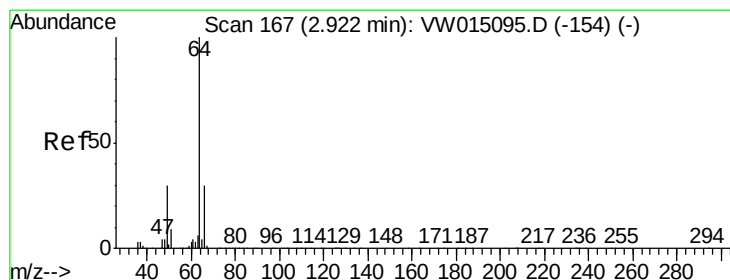
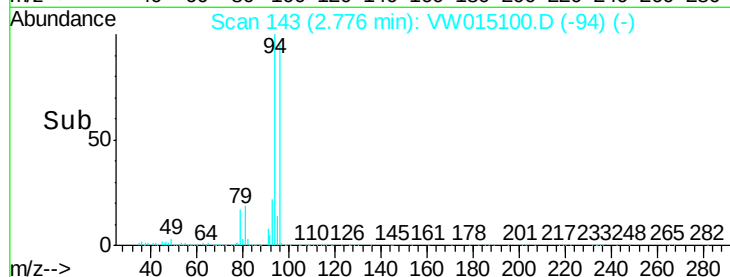
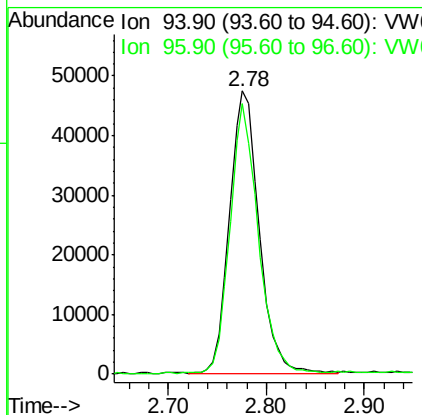
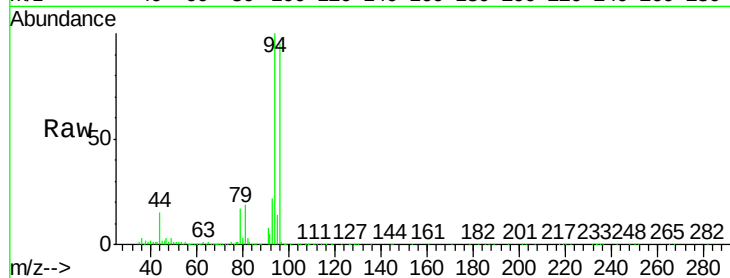
96 95.1 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 20.939 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015100.D

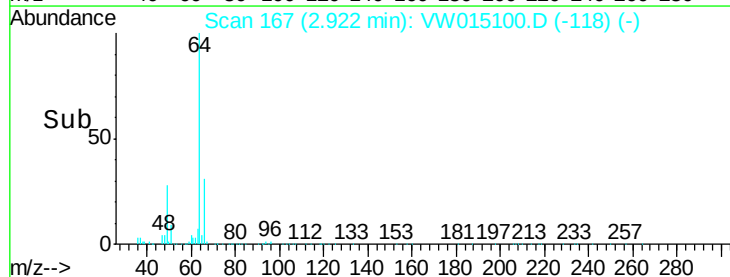
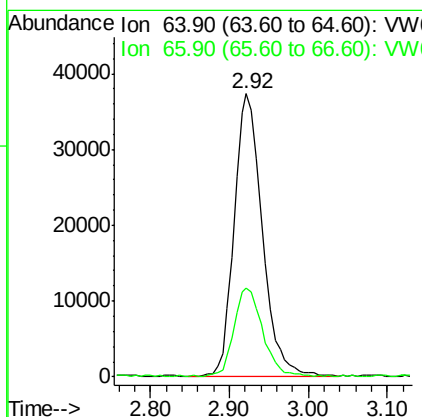
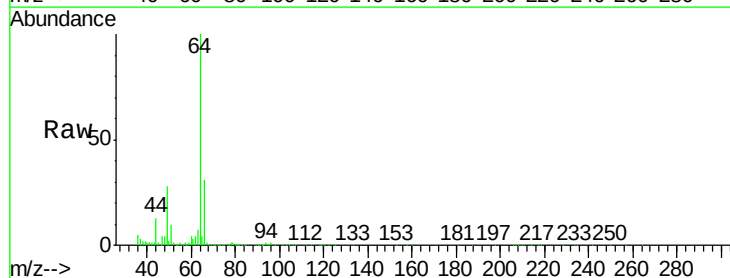
Acq: 09 Mar 2020 16:31

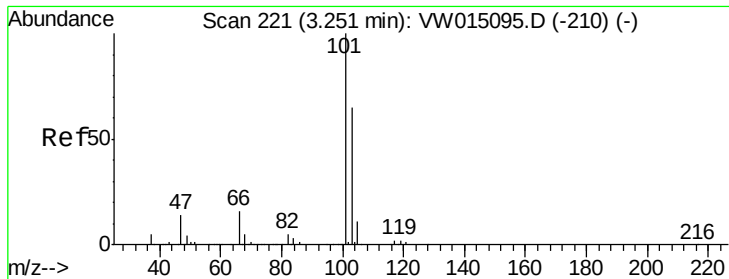
Tgt Ion: 64 Resp: 92506

Ion Ratio Lower Upper

64 100

66 31.2 24.2 36.2





#7

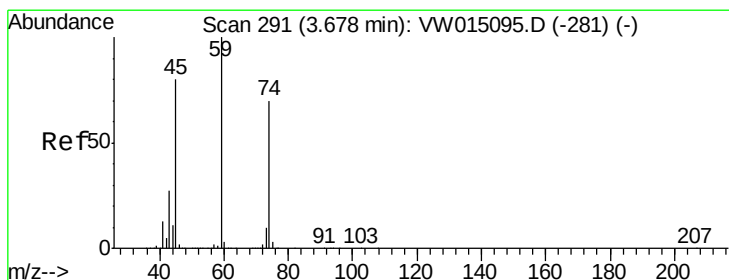
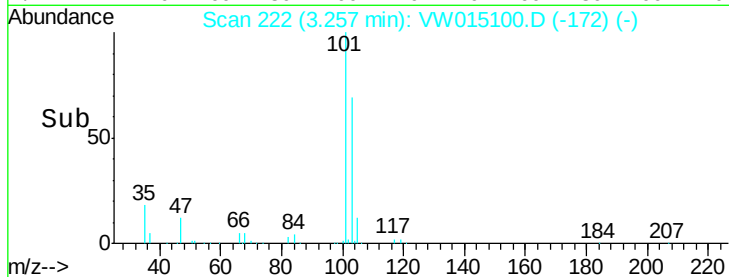
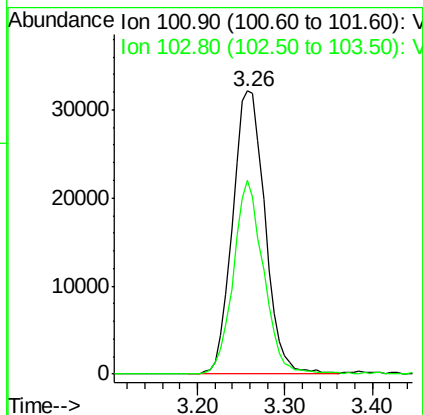
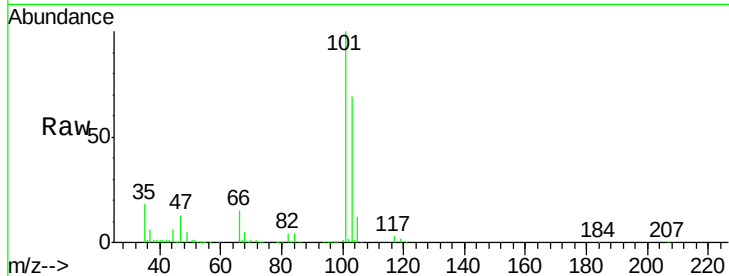
Trichlorofluoromethane
 Concen: 21.712 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
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 ClientSampleId :
 VW0309SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	51.8	77.6

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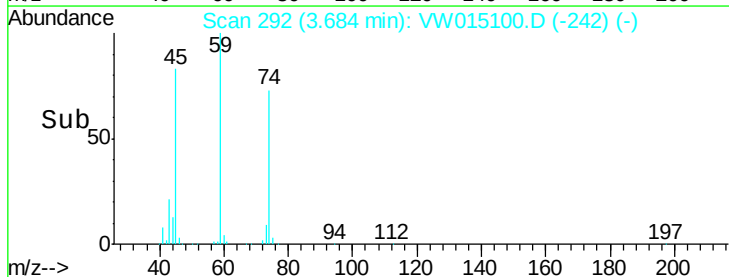
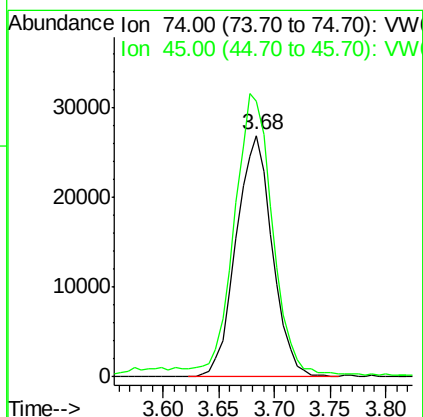
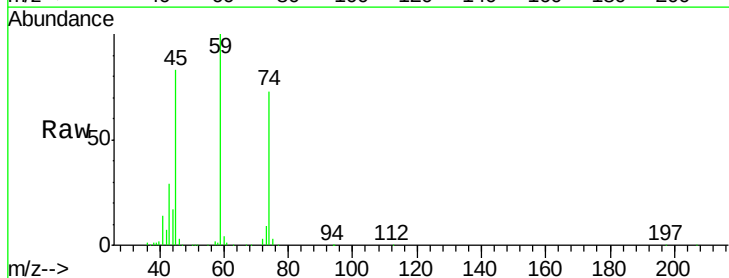
MMDadoda
 3/11/2020 3:24:06 PM

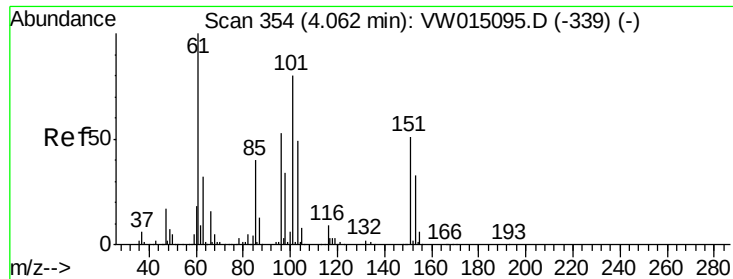


#8

Diethyl Ether
 Concen: 20.860 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.7	59.2	177.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.768 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

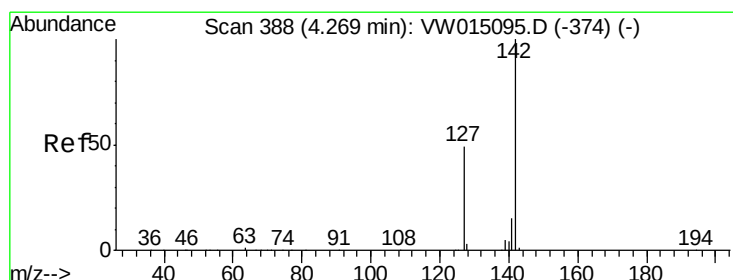
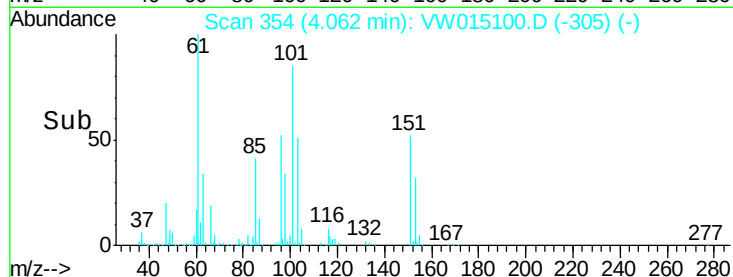
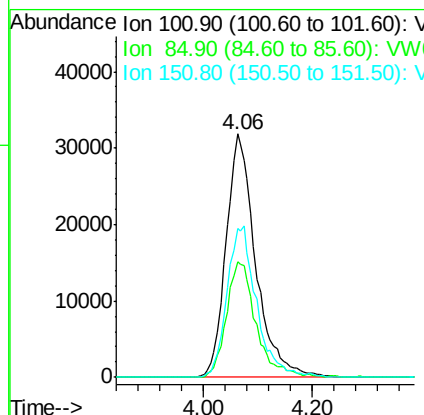
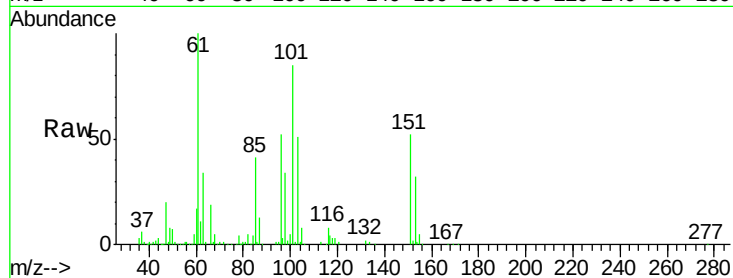
ClientSampleId :

VW0309SBS01

Tot Ion:	101	Resp:	120840
Ion Ratio	Lower	Upper	
101	100		
85	47.5	39.0	58.4
151	61.4	50.8	76.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.109 ug/l

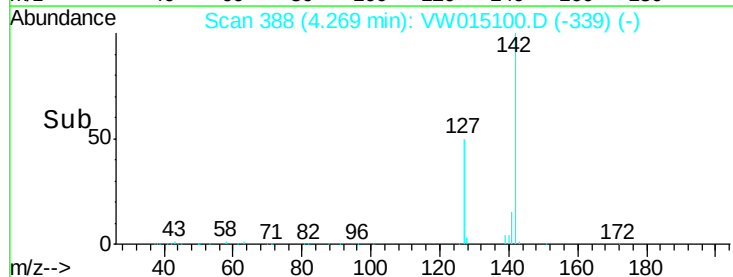
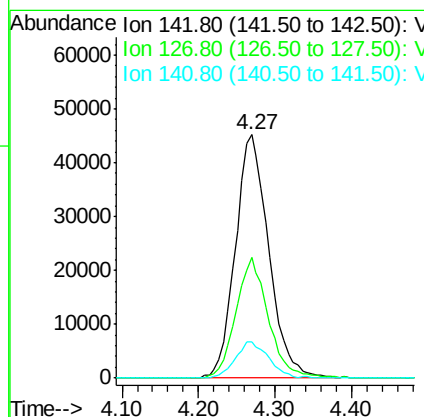
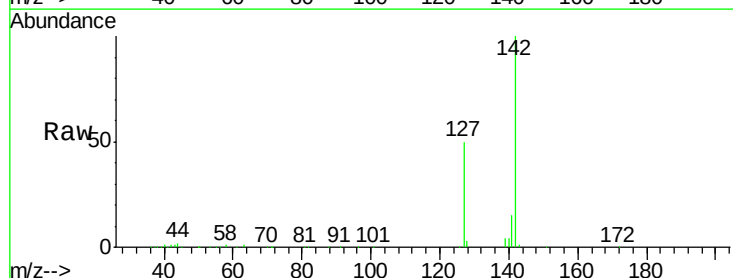
RT: 4.27 min Scan# 388

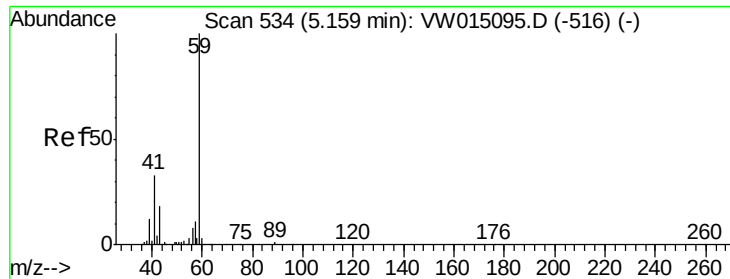
Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Tgt Ion:	142	Resp:	136641
Ion Ratio	Lower	Upper	
142	100		
127	48.3	38.2	57.4
141	14.9	12.0	18.0





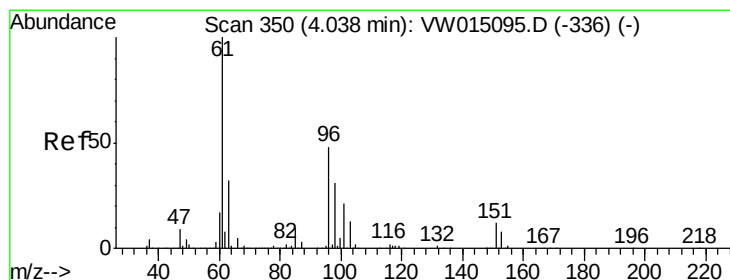
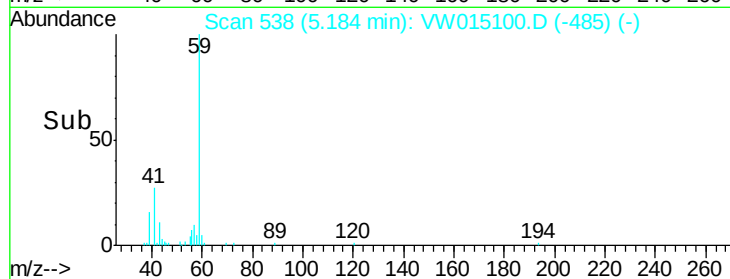
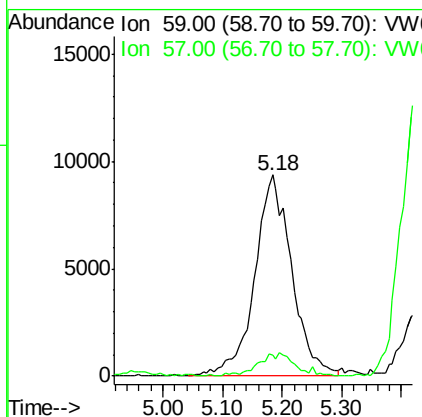
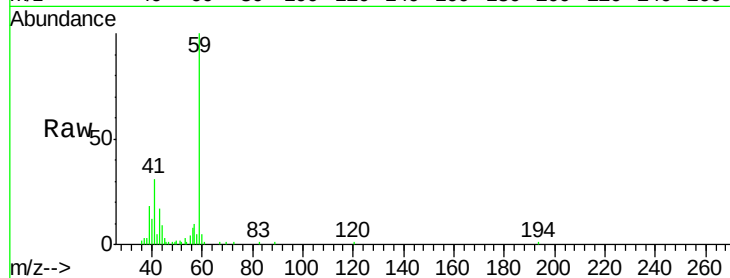
#11
Tert butyl alcohol
Concen: 106.940 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampled :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	9.1	13.7#

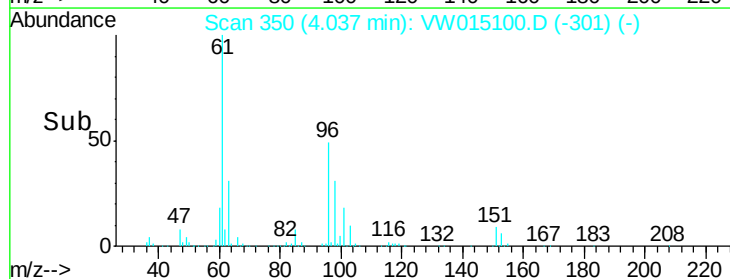
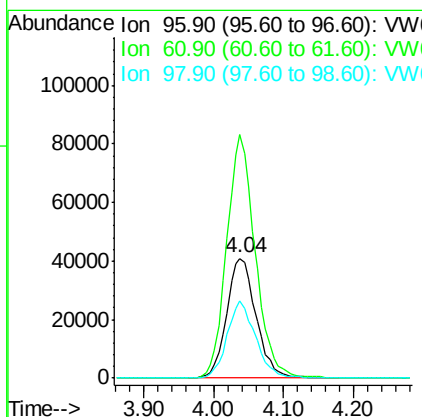
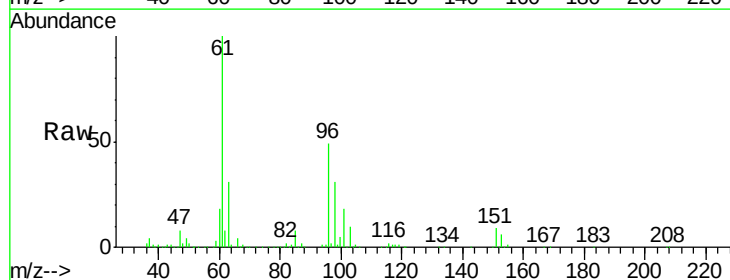
Manual Integrations
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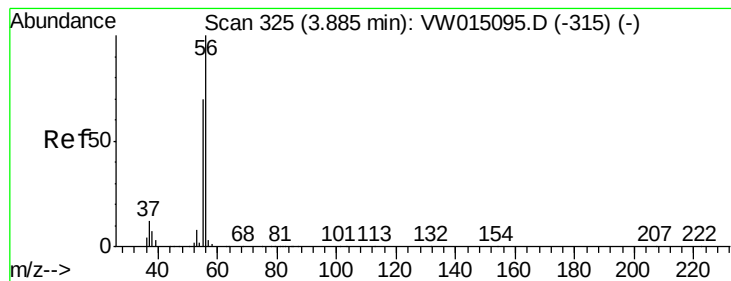
MMDadoda
3/11/2020 3:24:06 PM



#12
1,1-Dichloroethene
Concen: 20.979 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	202.8	165.5	248.3
98	63.9	51.1	76.7





#13

Acrolein

Concen: 107.836 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tot Ion: 56 Resp: 59672

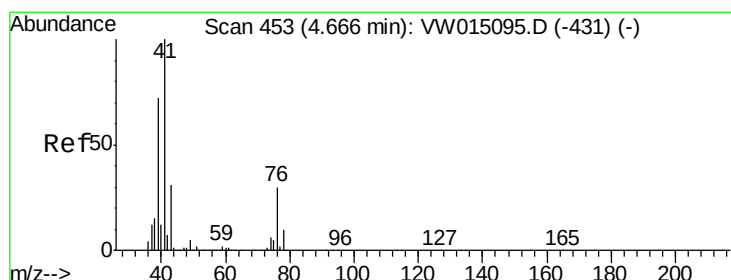
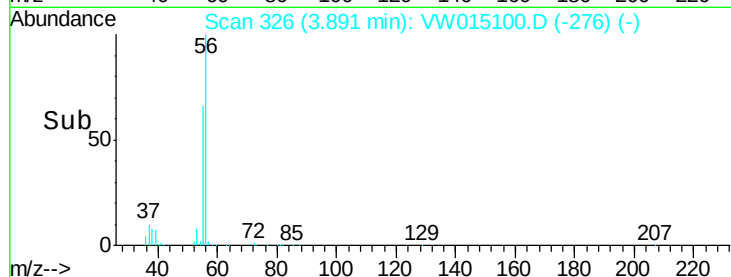
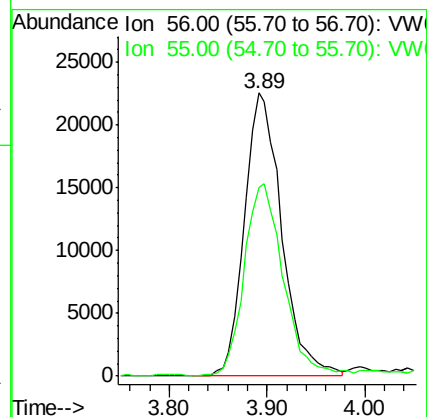
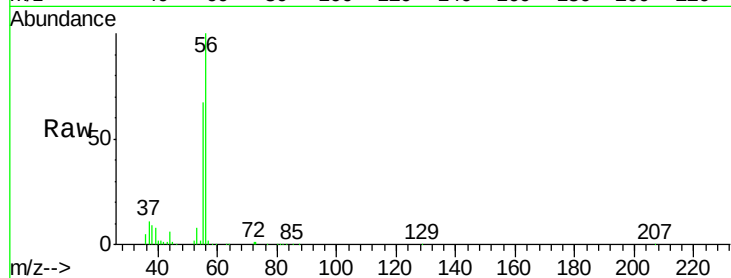
Ion Ratio Lower Upper

56 100

55 71.8 55.4 83.2

Manual Integrations
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#14

Allyl chloride

Concen: 21.160 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

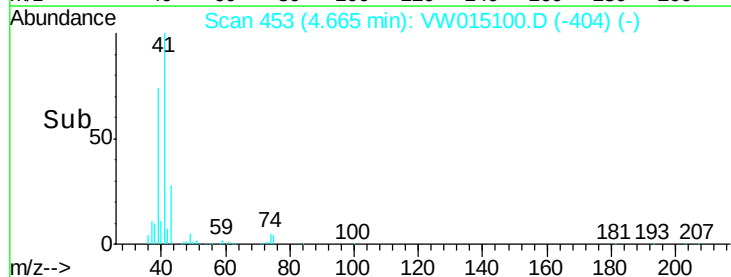
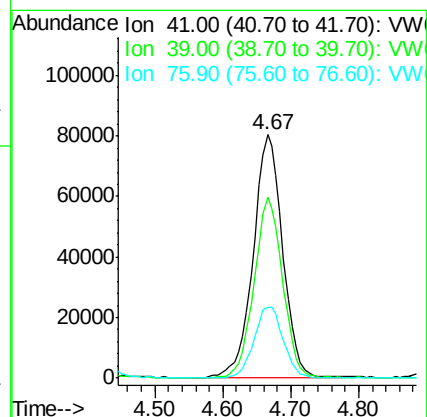
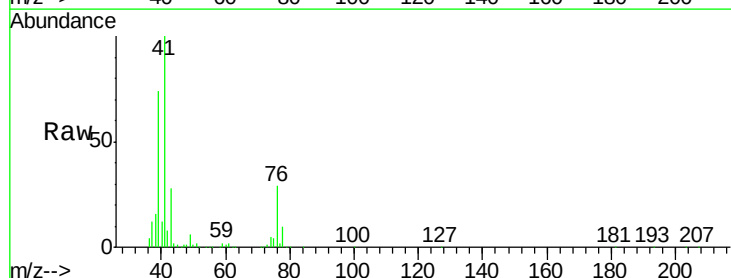
Tgt Ion: 41 Resp: 241239

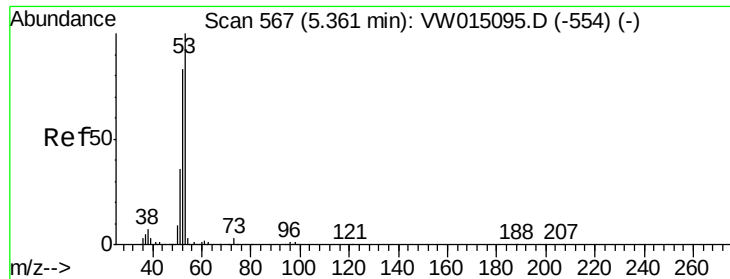
Ion Ratio Lower Upper

41 100

39 71.5 56.9 85.3

76 29.2 23.2 34.8





#15

Acrylonitrile

Concen: 100.646 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

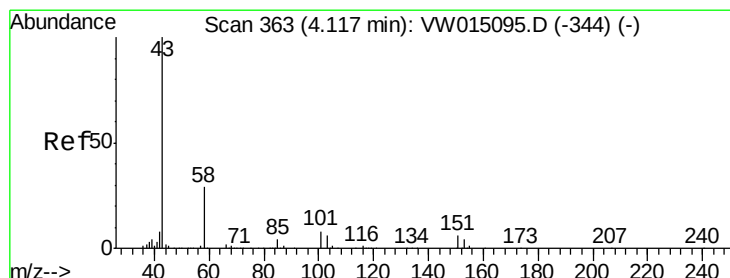
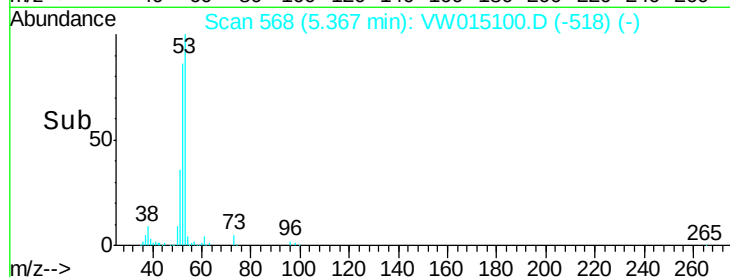
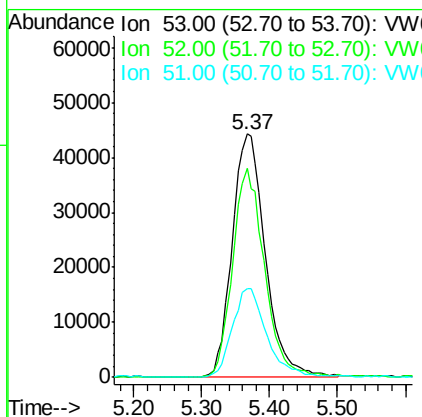
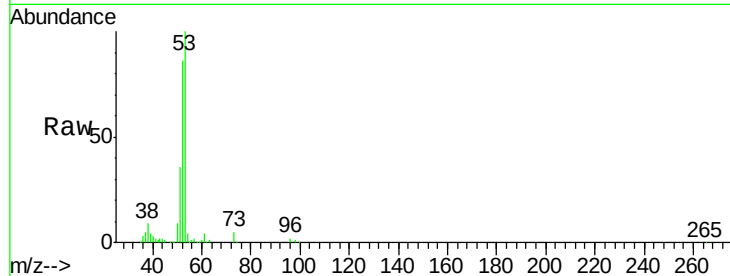
ClientSampleId :

VW0309SBS01

Tot Ion:	53	Resp:	150046
Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.2	100.8
51	37.9	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 90.750 ug/l

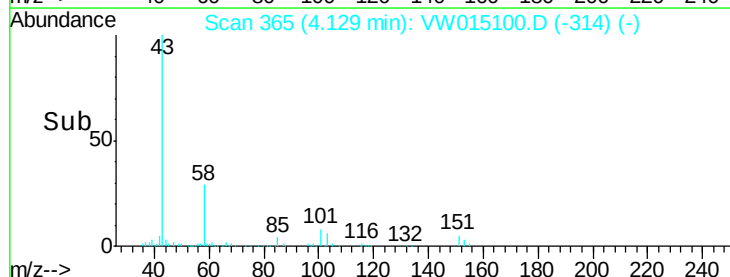
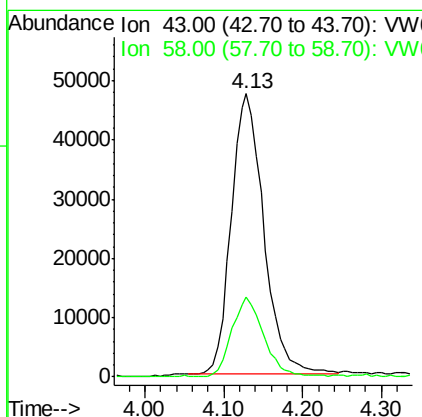
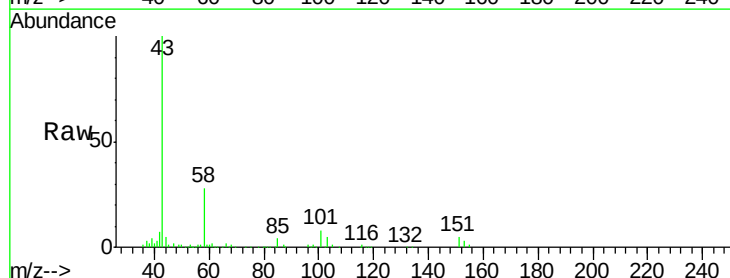
RT: 4.13 min Scan# 365

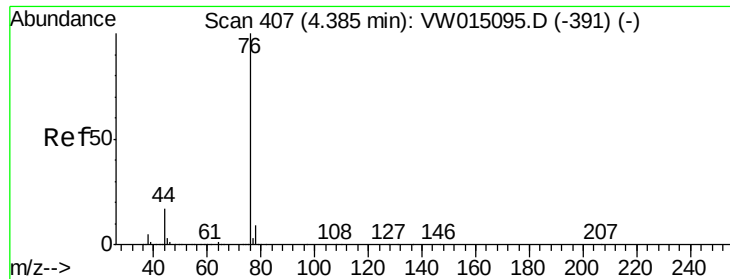
Delta R.T. 0.01 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Tgt Ion:	43	Resp:	136256
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.9	34.3





#17

Carbon Disulfide

Concen: 20.581 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tot Ion: 76 Resp: 415121

Ion Ratio Lower Upper

76 100

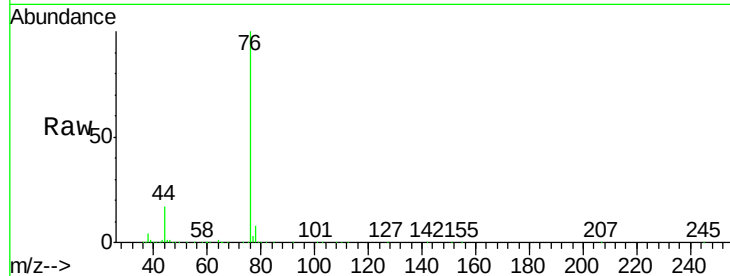
78 8.3 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

150000

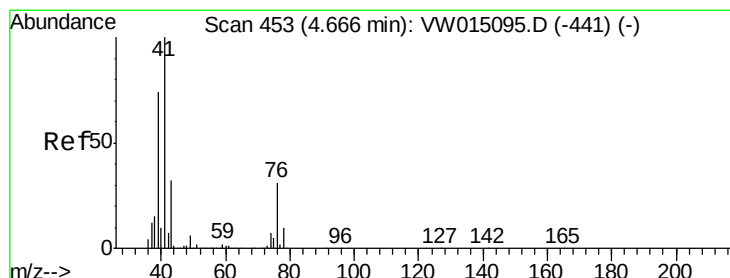
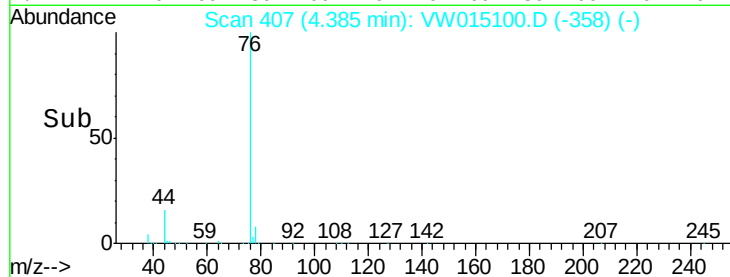
100000

50000

0

4.20 4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 20.228 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015100.D

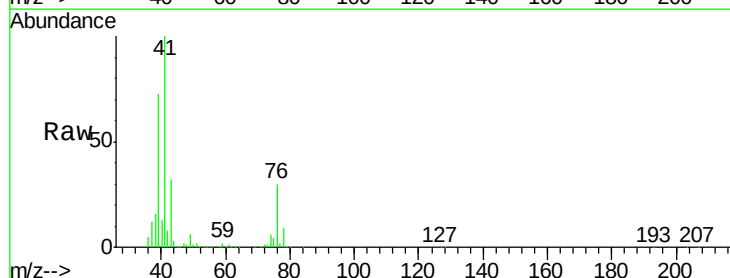
Acq: 09 Mar 2020 16:31

Tgt Ion: 43 Resp: 71994

Ion Ratio Lower Upper

43 100

74 20.5 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

25000

20000

15000

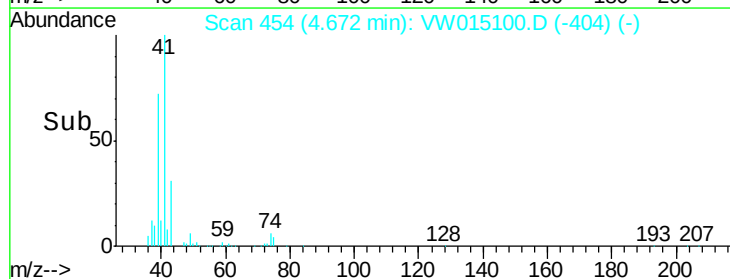
10000

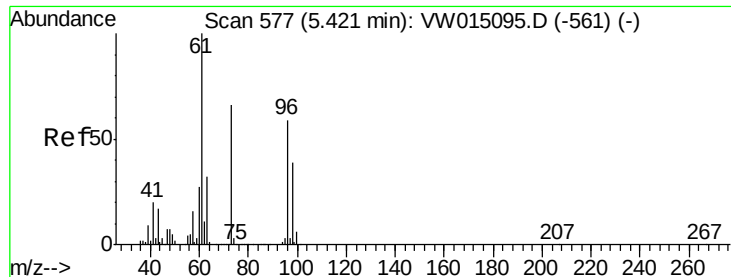
5000

0

4.60 4.70 4.80

Time-->





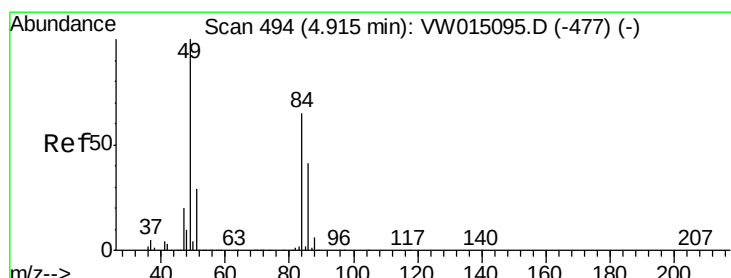
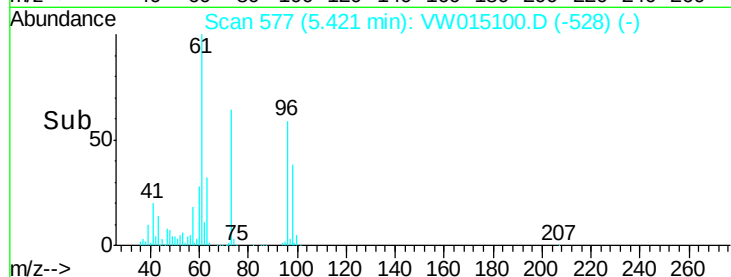
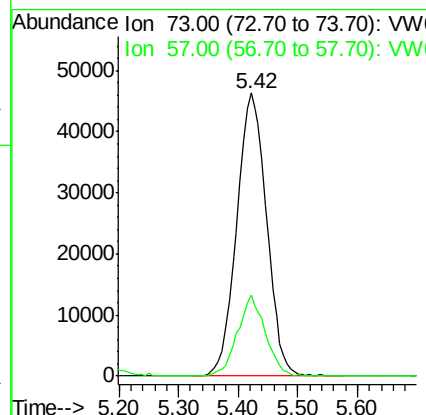
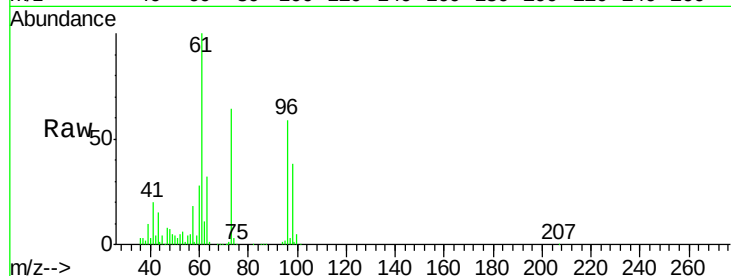
#19
Methyl tert-butyl Ether
Concen: 22.118 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	28.4	19.3	28.9

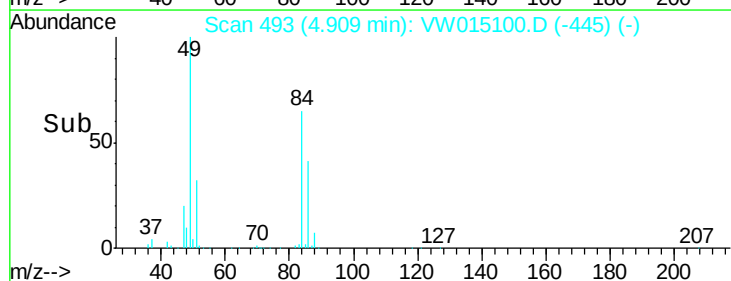
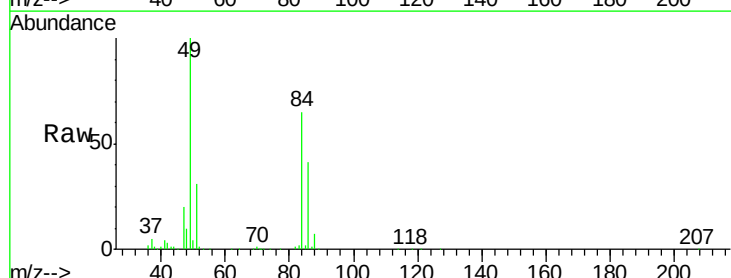
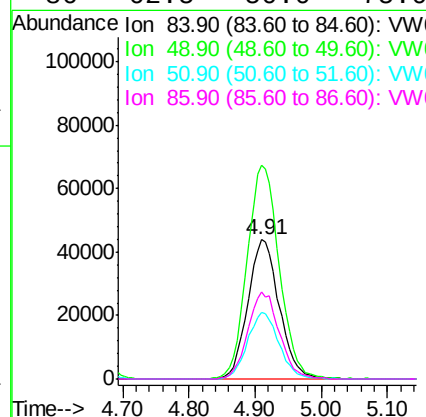
Manual Integrations
APPROVED

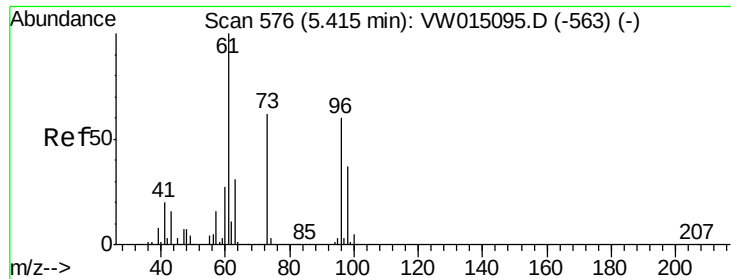
MMDadoda
3/11/2020 3:24:06 PM



#20
Methylene Chloride
Concen: 21.442 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.6	122.8	184.2
51	48.1	35.9	53.9
86	62.5	50.0	75.0





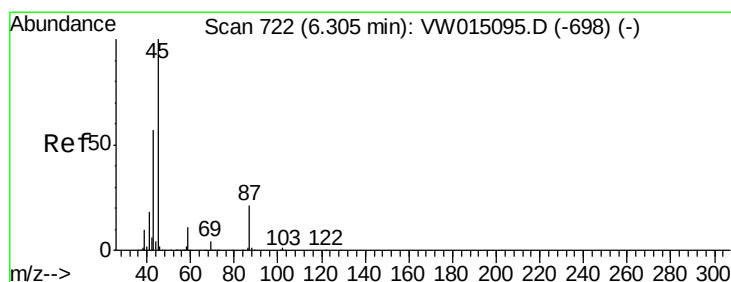
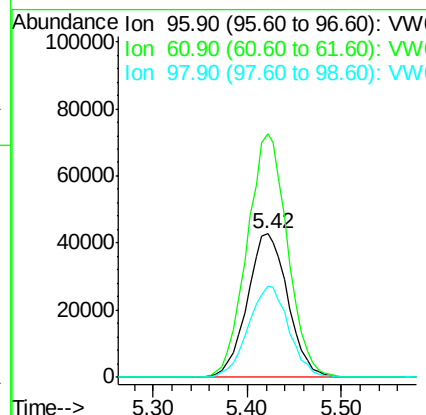
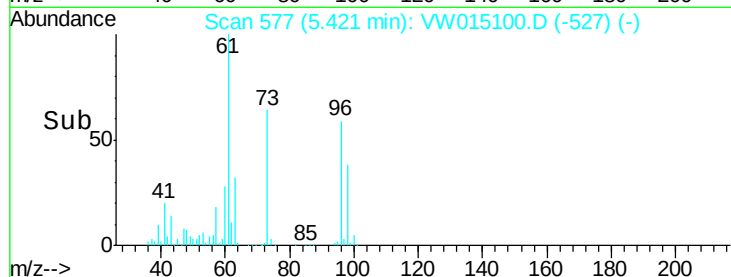
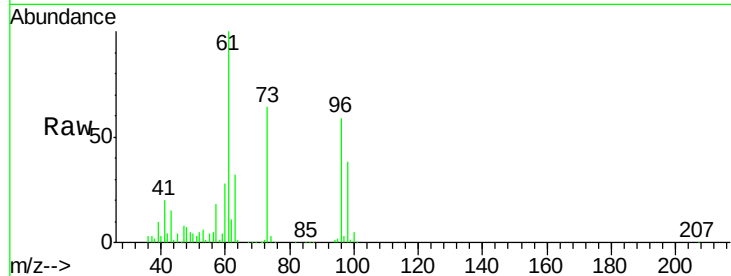
#21
trans-1,2-Dichloroethene
Concen: 21.377 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.4	132.5	198.7
98	63.8	48.9	73.3

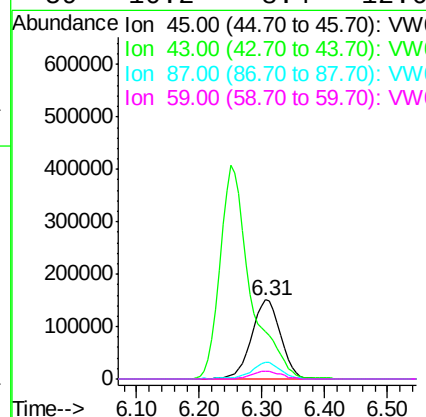
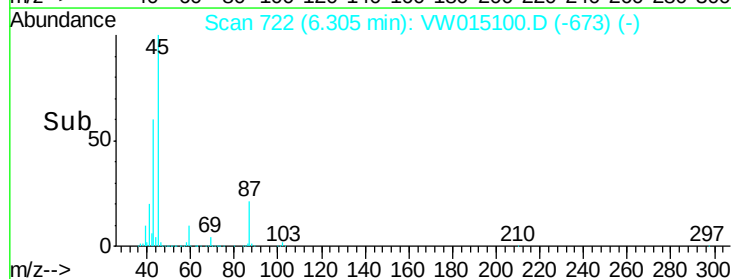
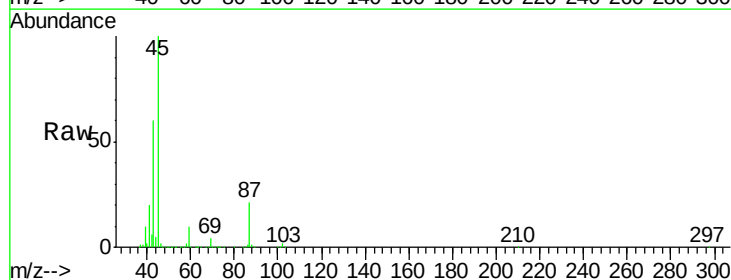
Manual Integrations
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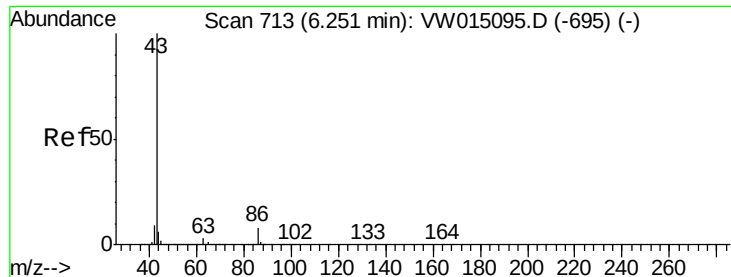
MMDadoda
3/11/2020 3:24:06 PM



#22
Diisopropyl ether
Concen: 22.300 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	45.4	68.0
87	20.6	16.4	24.6
59	10.2	8.4	12.6





#23

Vinyl Acetate

Concen: 105.593 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tot Ion: 43 Resp: 1363557

Ion Ratio Lower Upper

43 100

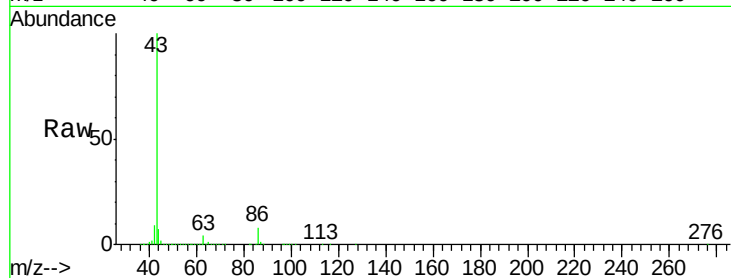
86 7.6 6.3 9.5

Manual Integrations

APPROVED

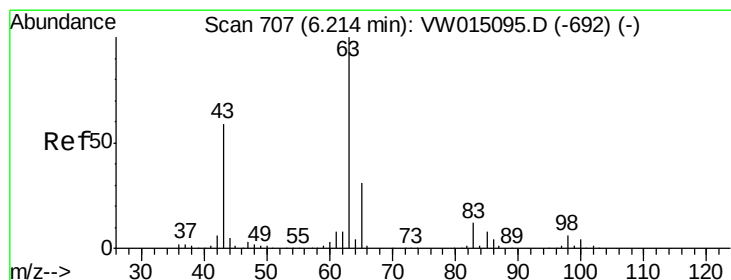
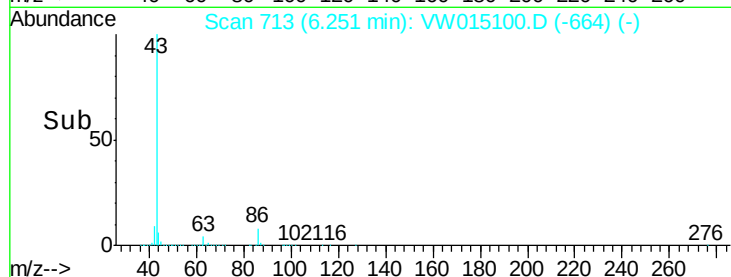
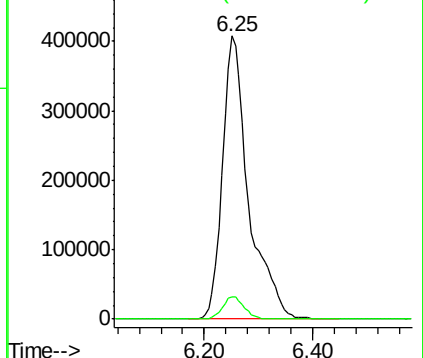
MMDadoda

3/11/2020 3:24:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.238 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

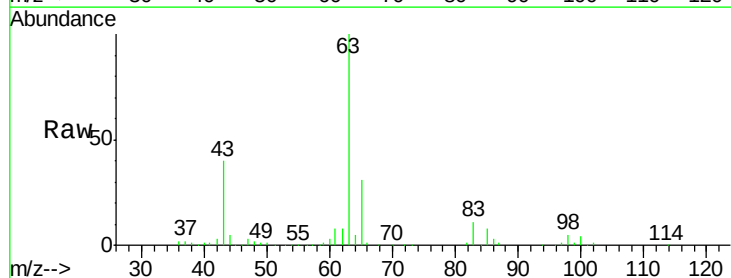
Tgt Ion: 63 Resp: 270920

Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.8

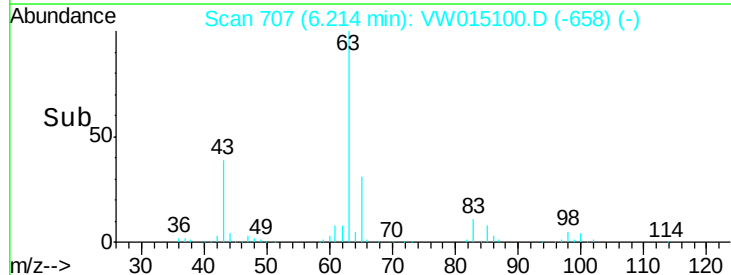
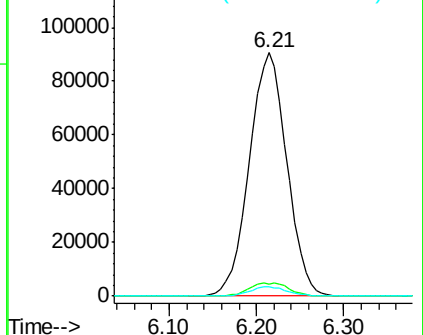
100 3.7 2.1 6.3

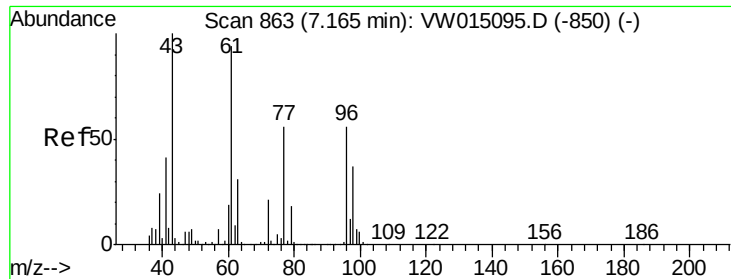


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 100.885 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tot Ion: 43 Resp: 207653

Ion Ratio Lower Upper

43 100

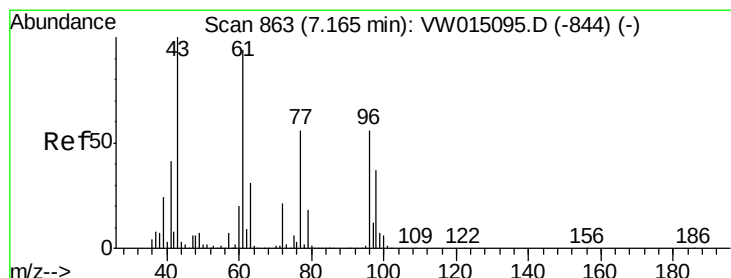
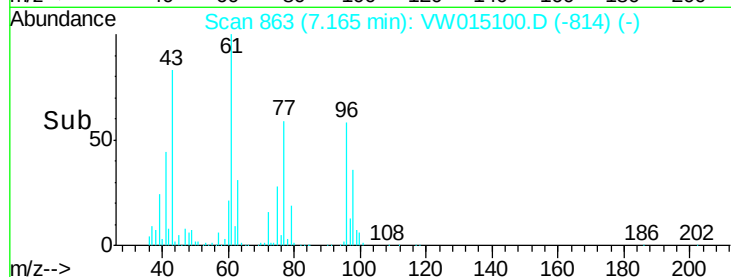
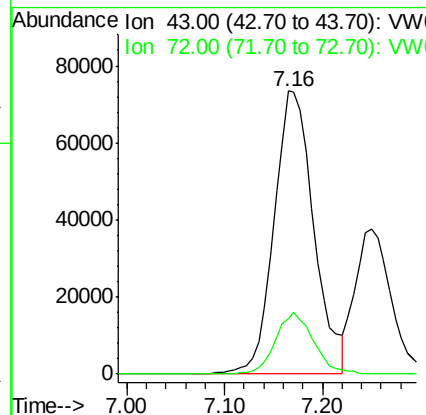
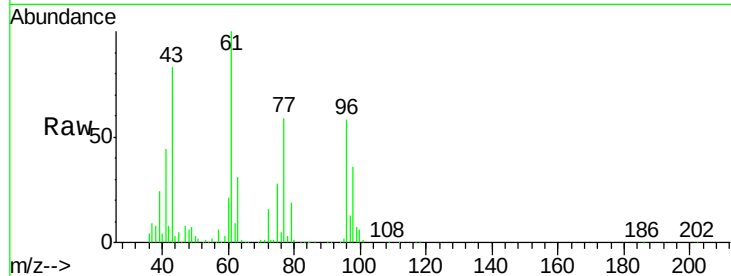
72 19.8 17.0 25.6

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:24:06 PM



#26

2,2-Dichloropropane

Concen: 22.471 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015100.D

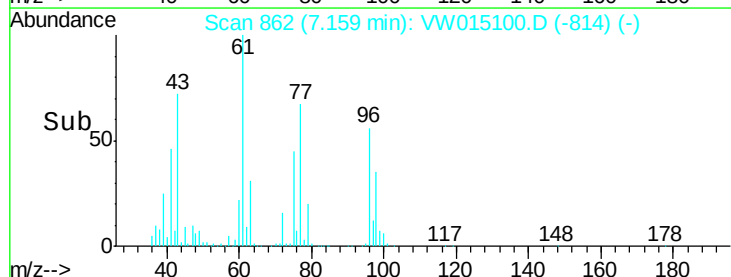
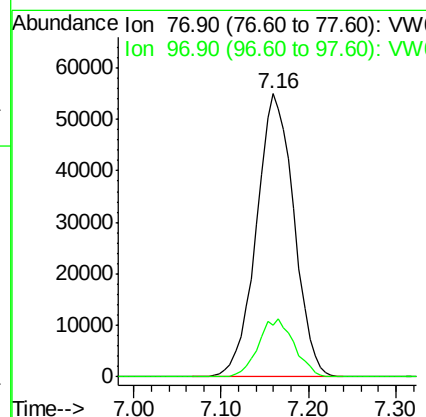
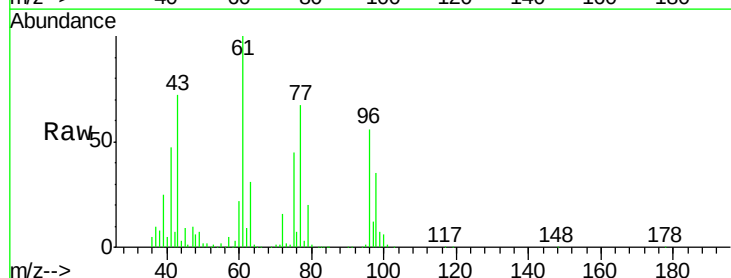
Acq: 09 Mar 2020 16:31

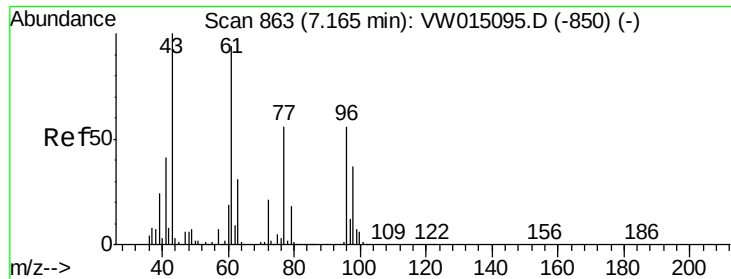
Tgt Ion: 77 Resp: 163947

Ion Ratio Lower Upper

77 100

97 19.7 10.6 31.8





#27

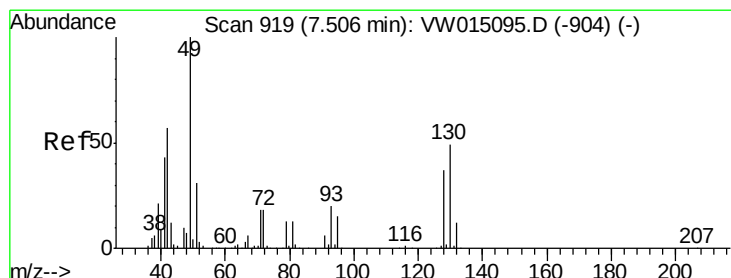
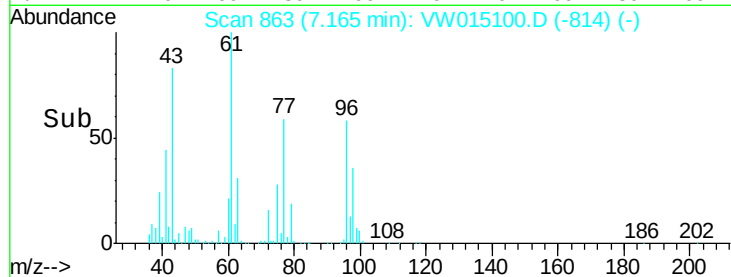
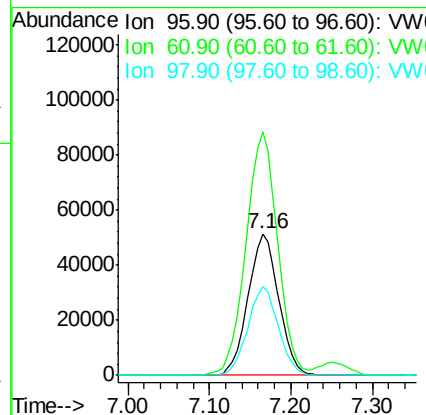
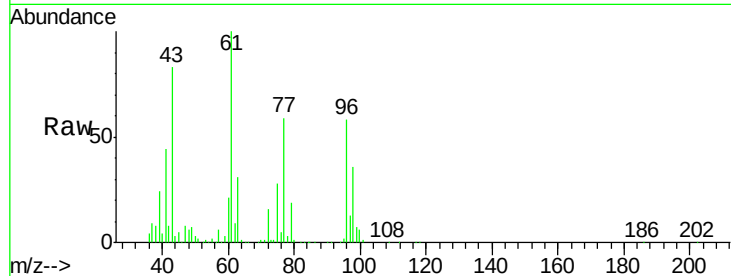
cis-1,2-Dichloroethene
Concen: 21.387 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampled :
VW0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	134486		
61	177.1	0.0	343.4	
98	62.7	0.0	127.6	

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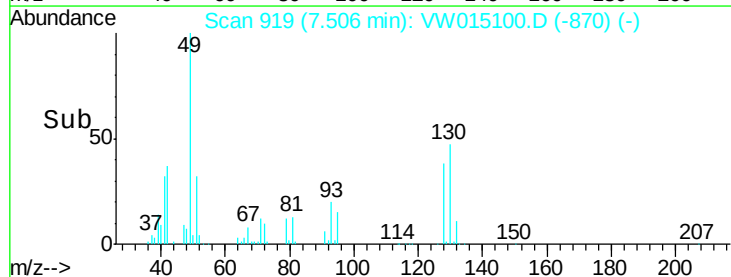
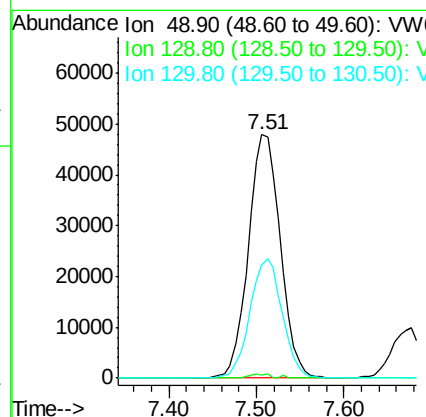
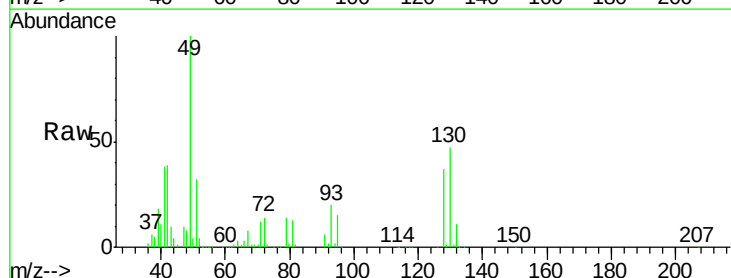
MMDadoda
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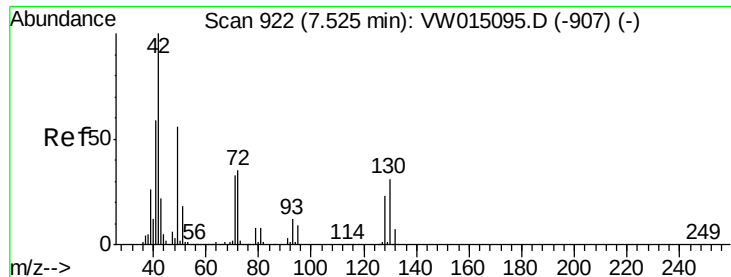


#28

Bromochloromethane
Concen: 19.848 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	121321		
129	1.1	0.0	3.0	
130	49.5	39.8	59.6	





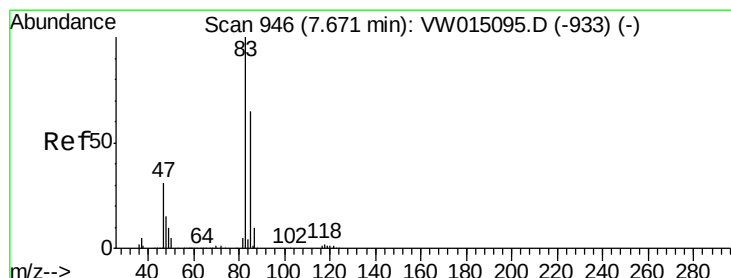
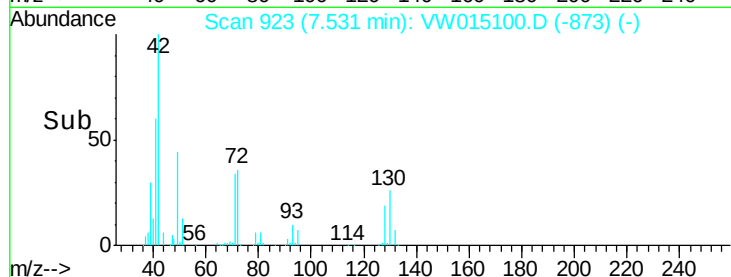
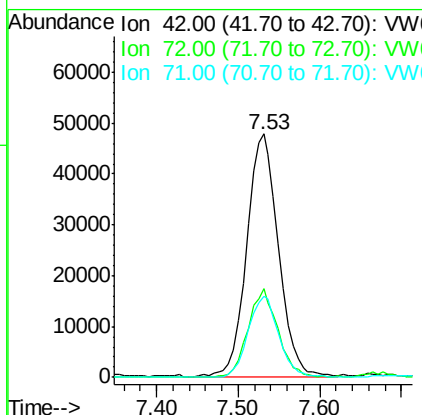
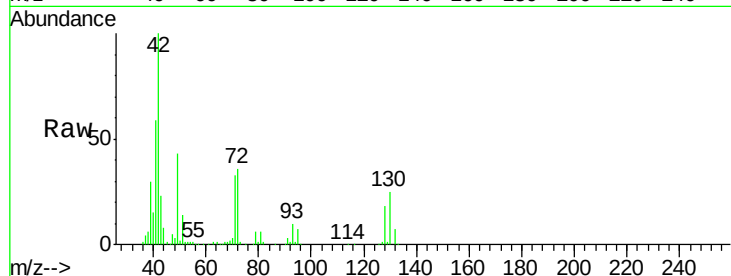
#29
Tetrahydrofuran
Concen: 99.966 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	27.8	41.6
71	32.8	26.4	39.6

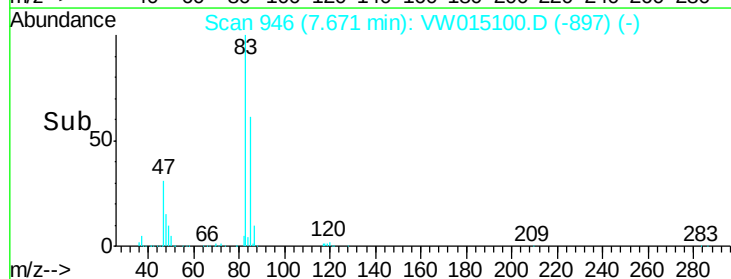
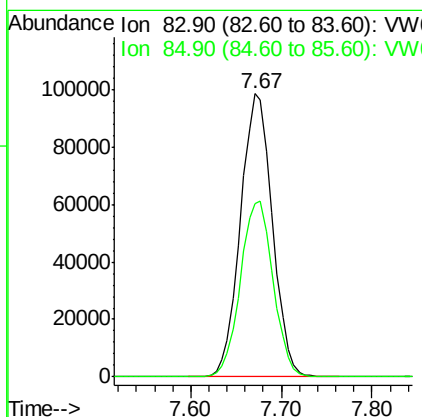
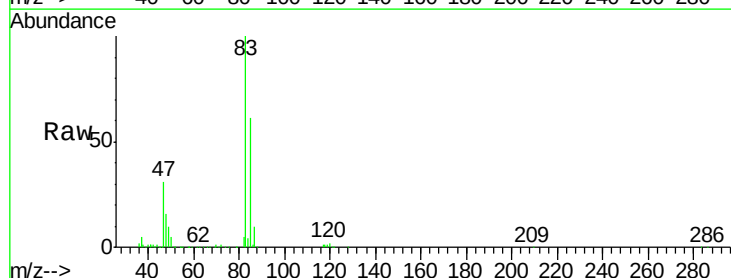
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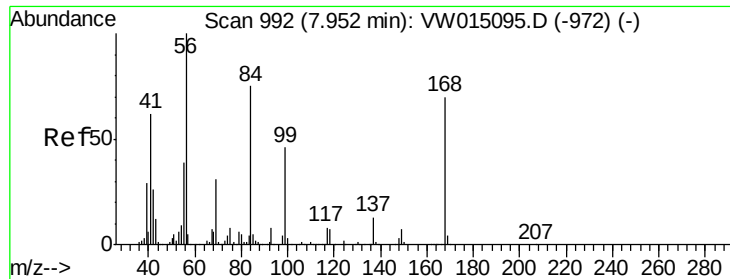
MMDadoda
3/11/2020 3:24:06 PM



#30
Chloroform
Concen: 21.203 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.9	77.9





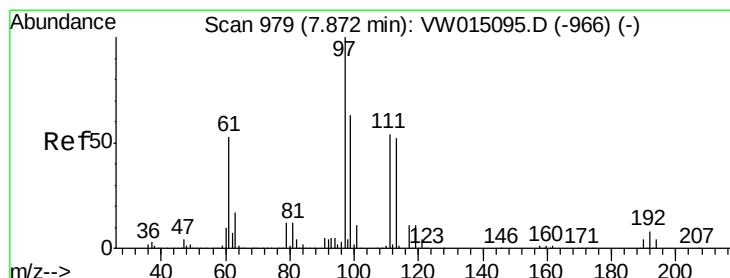
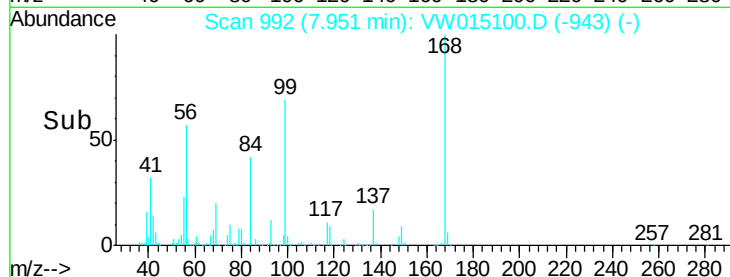
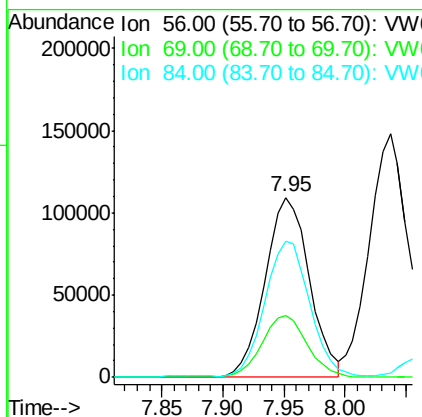
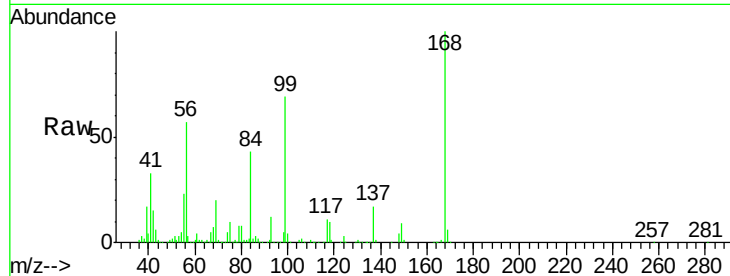
#31
Cyclohexane
Concen: 21.049 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	24.6	37.0
84	74.8	59.9	89.9

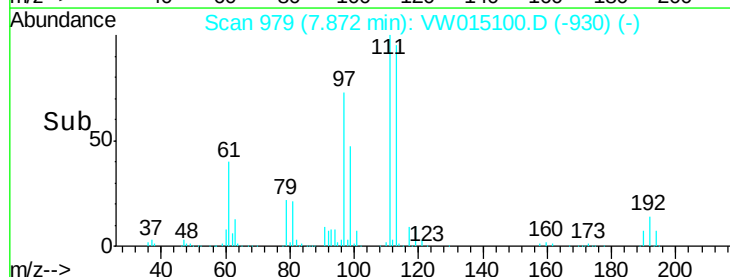
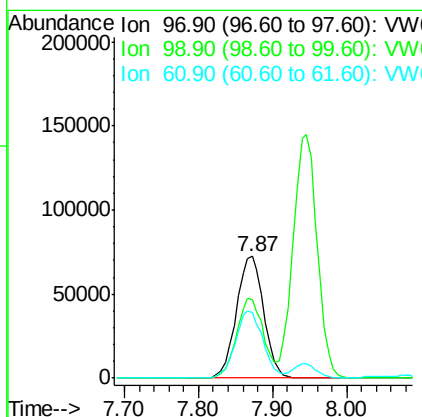
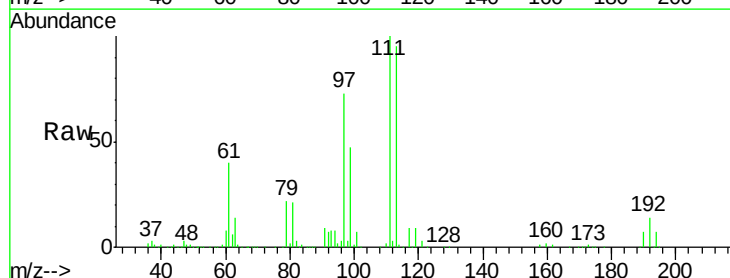
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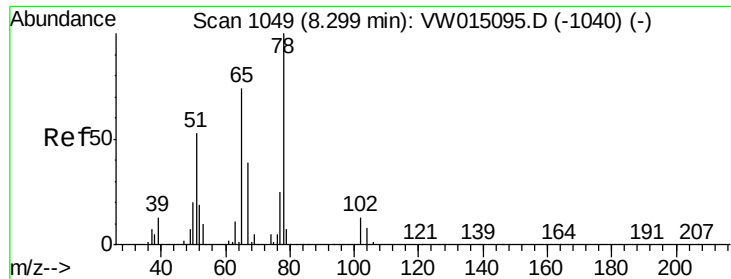
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#32
1,1,1-Trichloroethane
Concen: 21.083 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	55.6	44.0	66.0





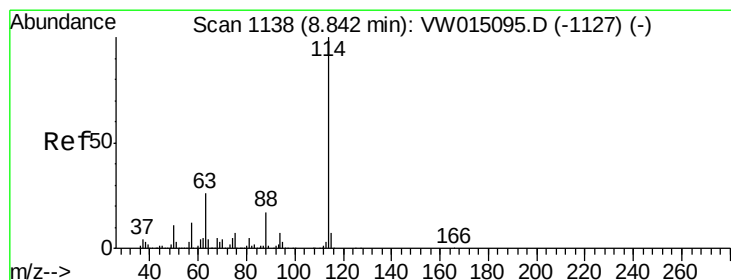
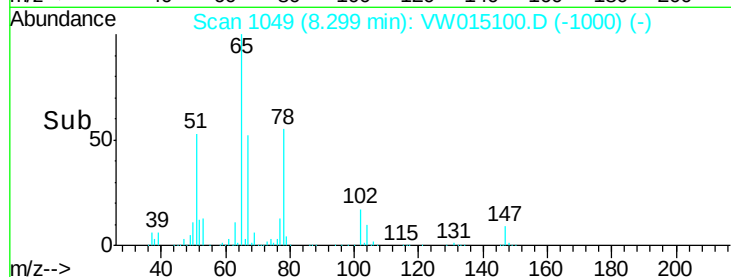
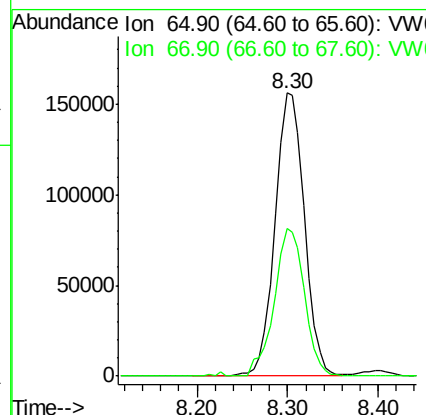
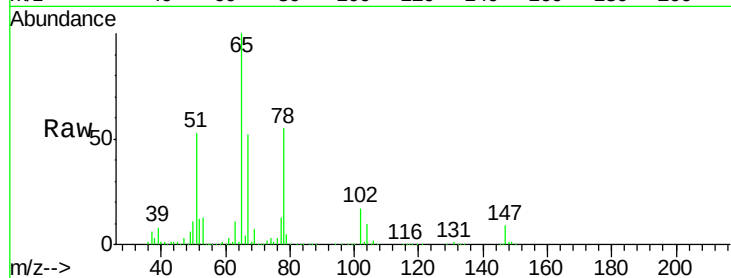
#33
 1,2-Dichloroethane-d4
 Concen: 53.145 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	105.0

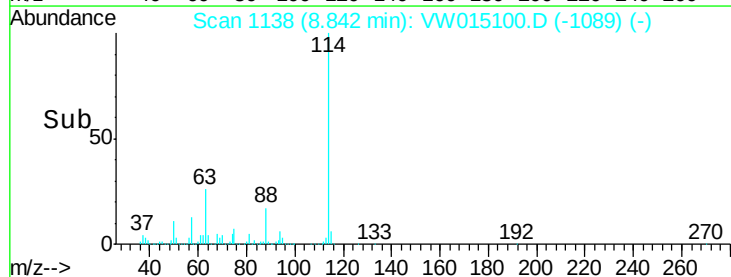
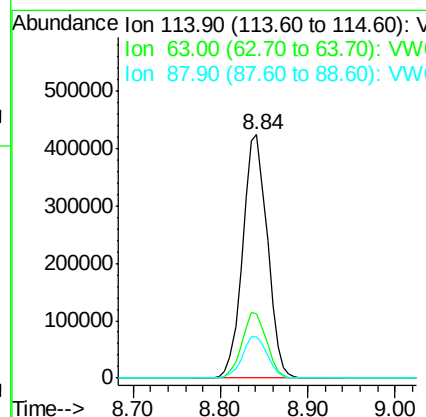
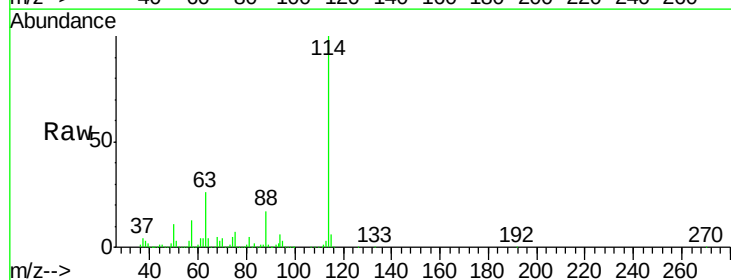
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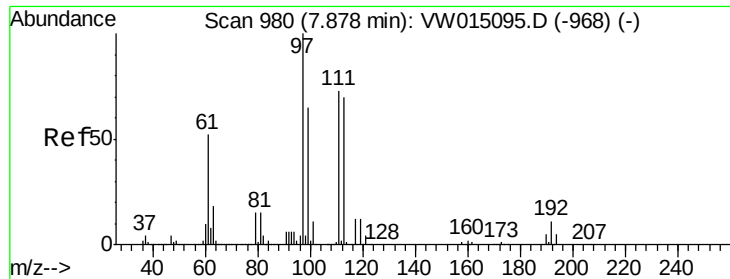
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.4	0.0	52.0
88	17.2	0.0	34.2





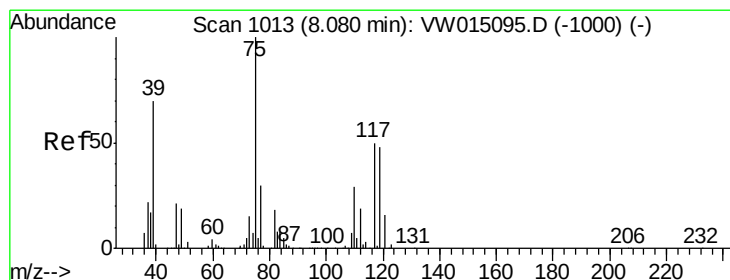
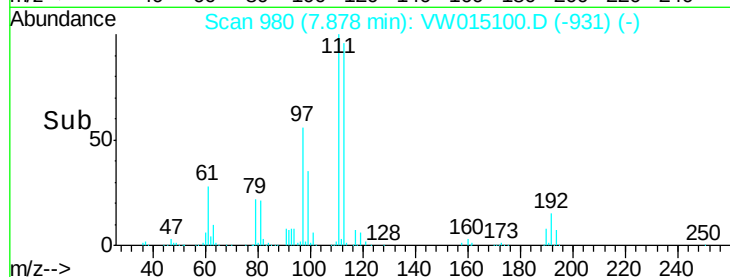
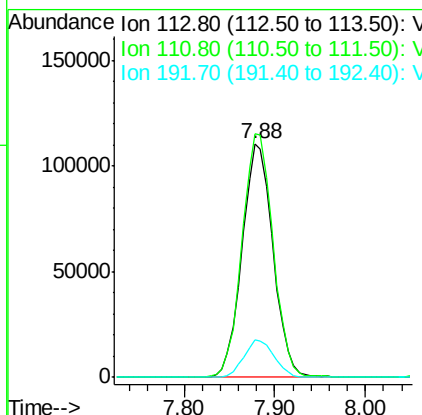
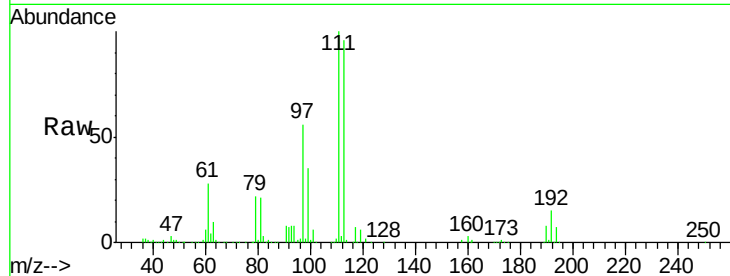
#35
 Dibromofluoromethane
 Concen: 52.162 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	260249		
111	105.0	83.6	125.4	
192	15.9	12.4	18.6	

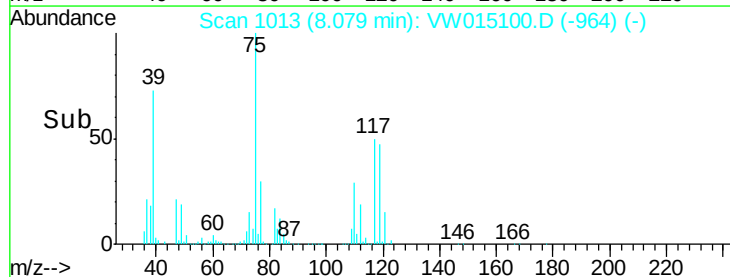
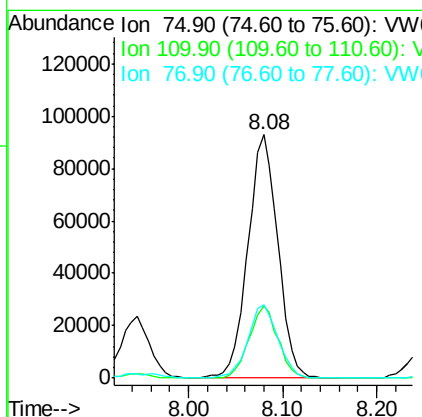
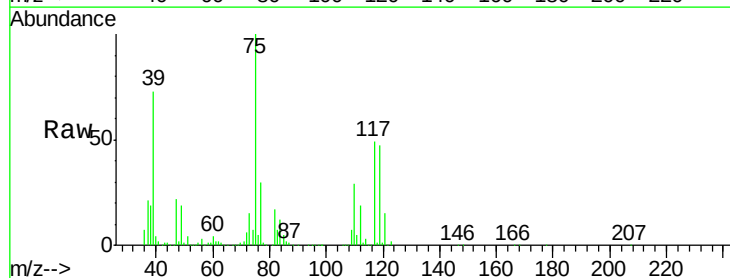
Manual Integrations
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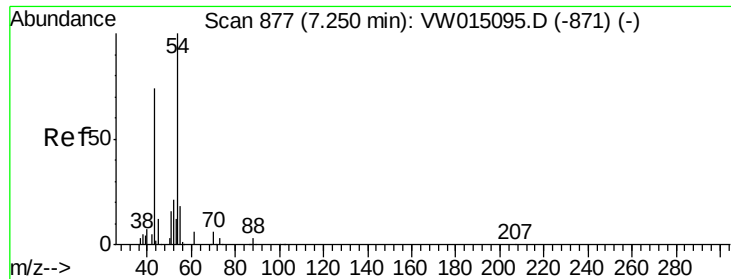
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#36
 1,1-Dichloropropene
 Concen: 21.417 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	206980		
110	28.6	14.7	44.1	
77	30.6	24.2	36.4	





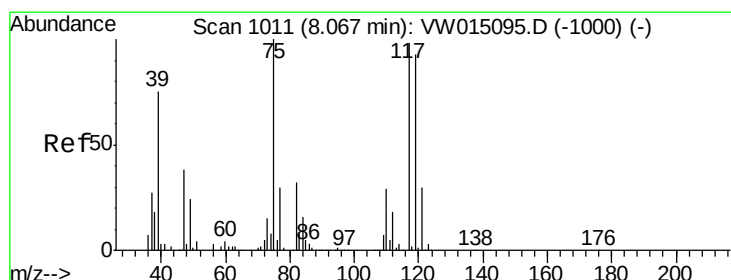
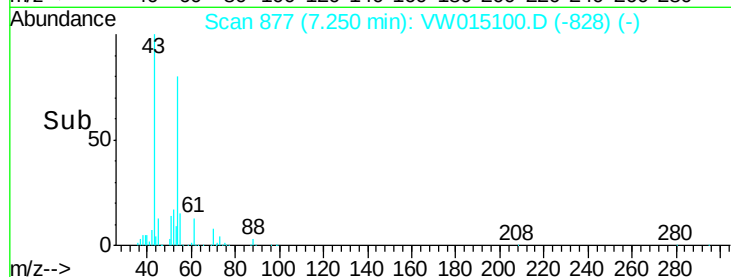
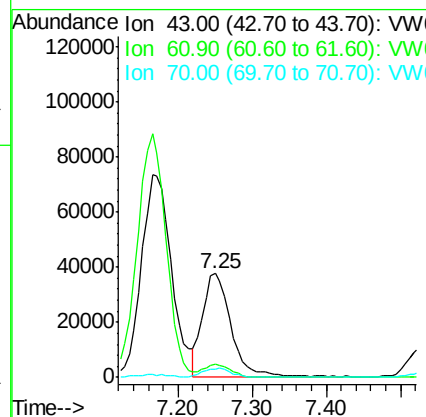
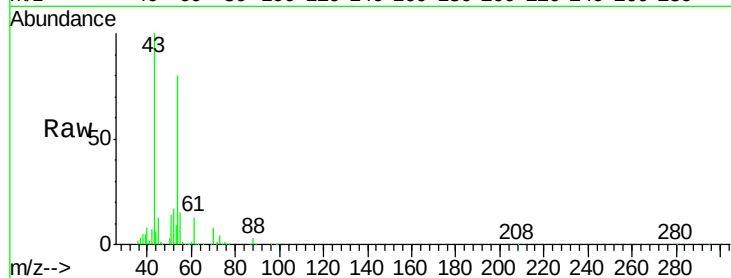
#37
Ethyl Acetate
Concen: 20.394 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.6	14.4
70	8.8	6.5	9.7

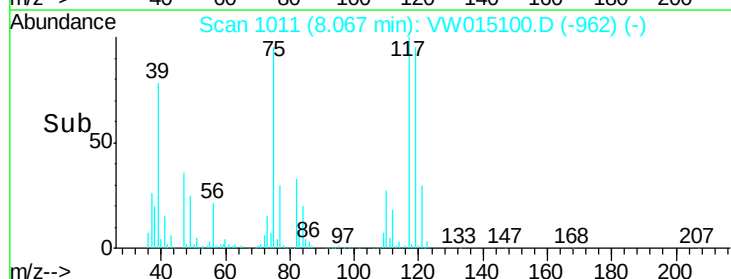
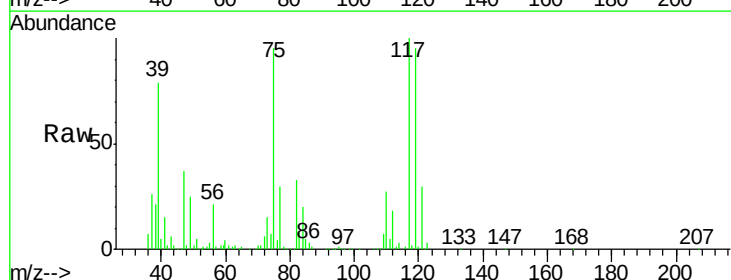
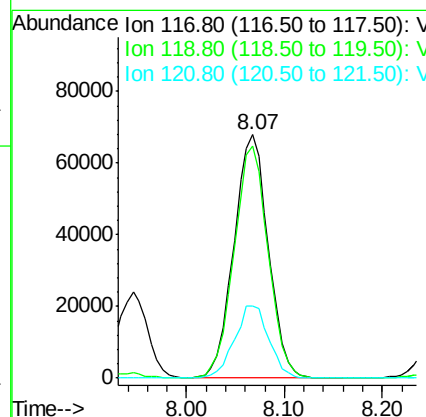
Manual Integrations
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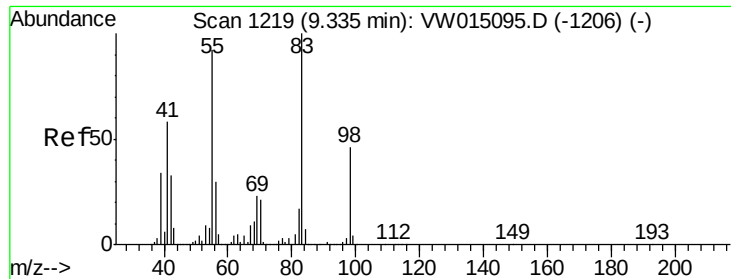
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#38
Carbon Tetrachloride
Concen: 21.016 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.8	113.8
121	29.8	24.5	36.7





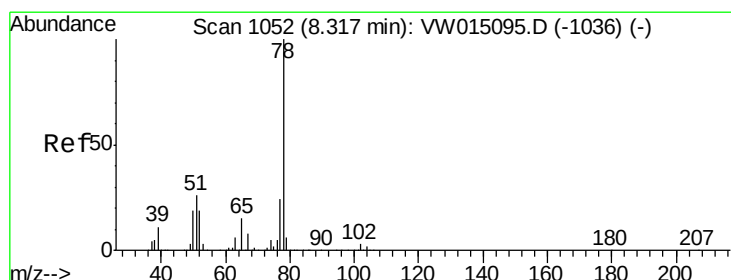
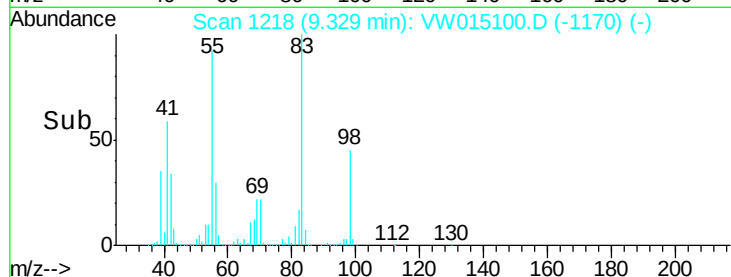
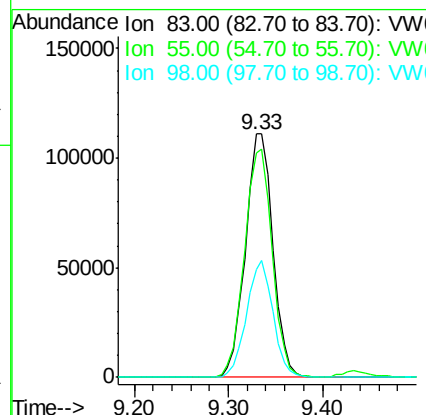
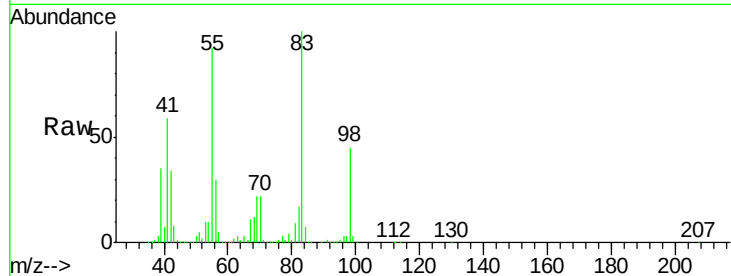
#39
Methylvlcyclohexane
Concen: 20.490 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.1	73.5	110.3
98	44.5	37.2	55.8

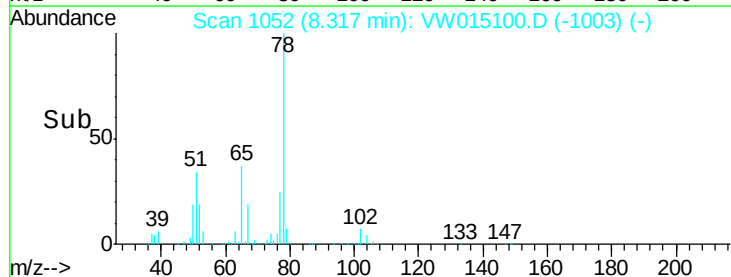
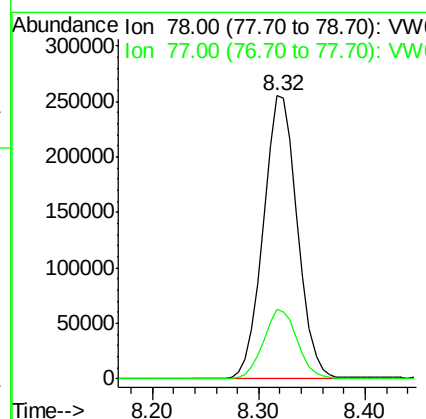
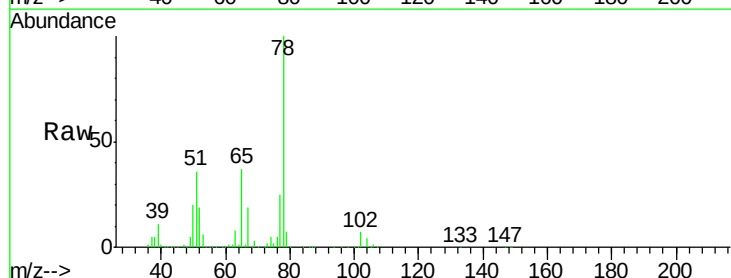
Manual Integrations
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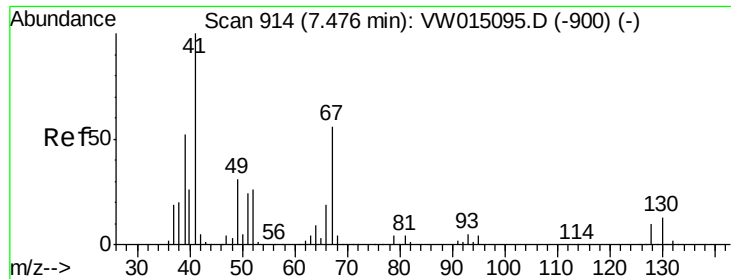
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#40
Benzene
Concen: 21.265 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





#41

Methacrylonitrile

Concen: 20.513 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

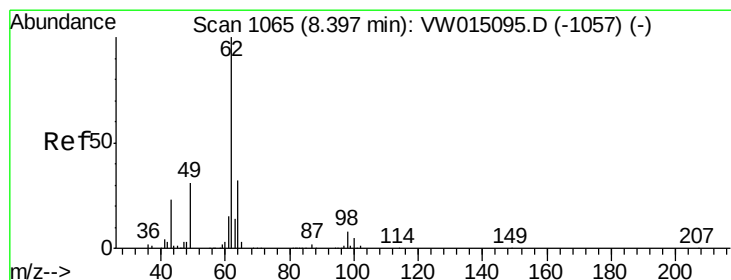
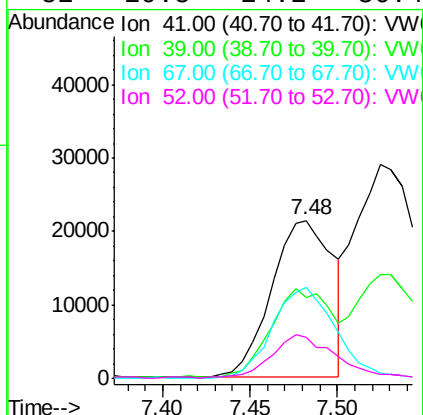
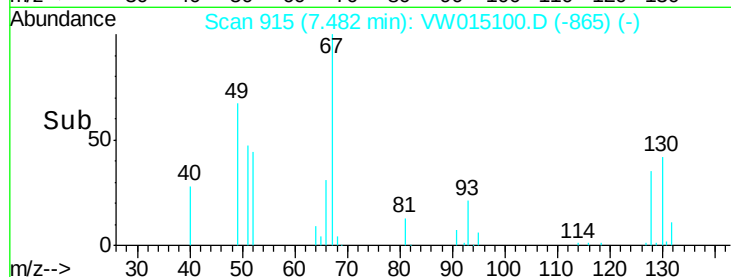
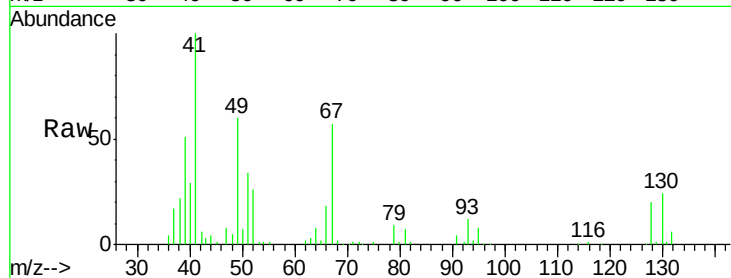
ClientSampleId :

VW0309SBS01

Tot Ion	41	Resp	52255
Ion Ratio	Lower	Upper	
41	100		
39	54.9	49.0	73.4
67	61.2	50.4	75.6
52	29.5	24.2	36.4

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#42

1,2-Dichloroethane

Concen: 20.995 ug/l

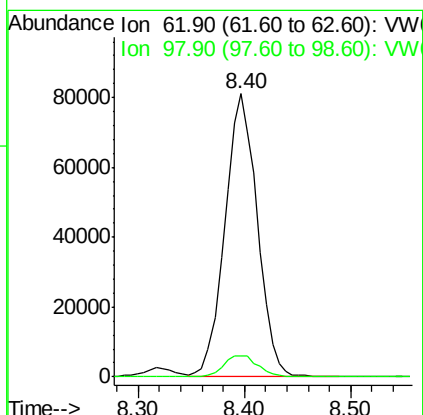
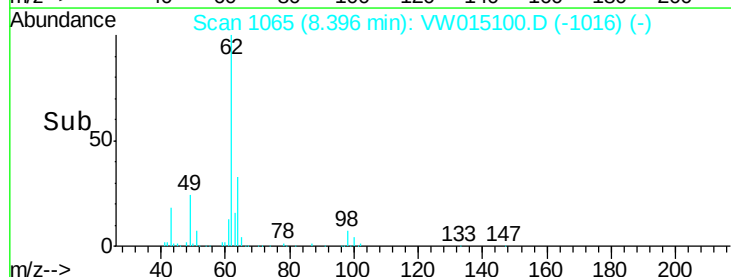
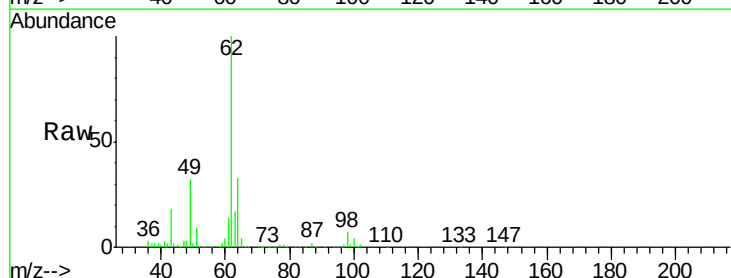
RT: 8.40 min Scan# 1065

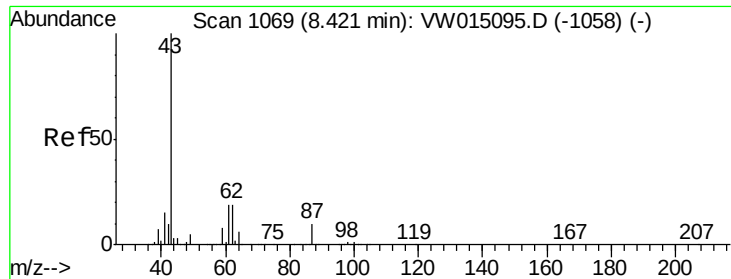
Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Tgt Ion	62	Resp	171793
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	16.0





#43

Isopropyl Acetate

Concen: 20.384 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

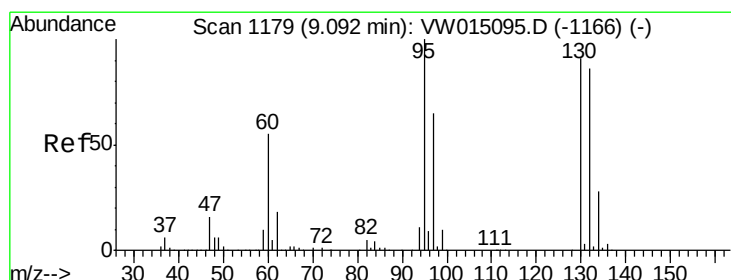
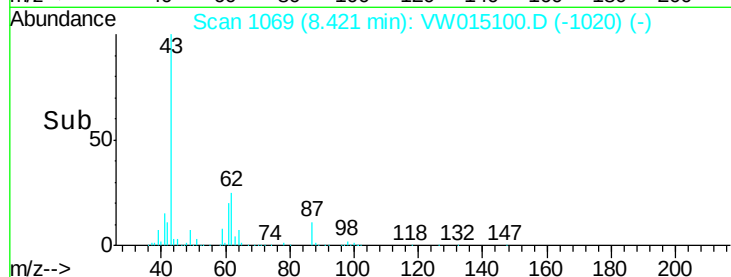
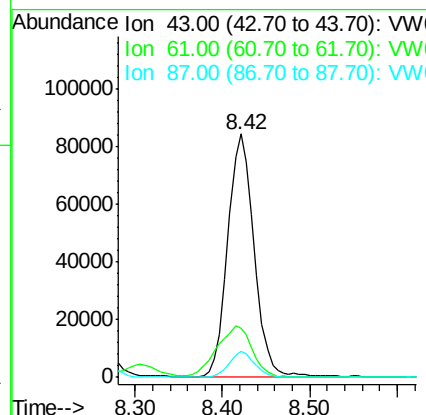
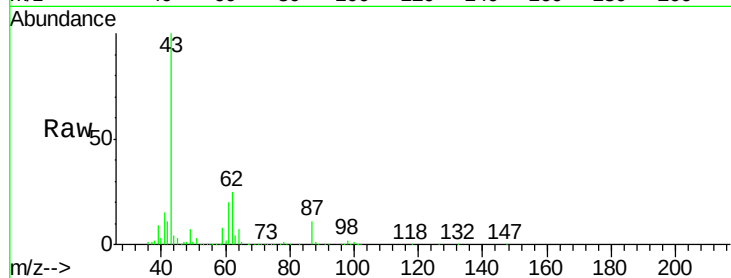
ClientSampleId :

VW0309SBS01

Tot Ion:	43	Resp:	176021
Ion	Ratio	Lower	Upper
43	100		
61	27.8	21.8	32.8
87	10.2	8.0	12.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.355 ug/l

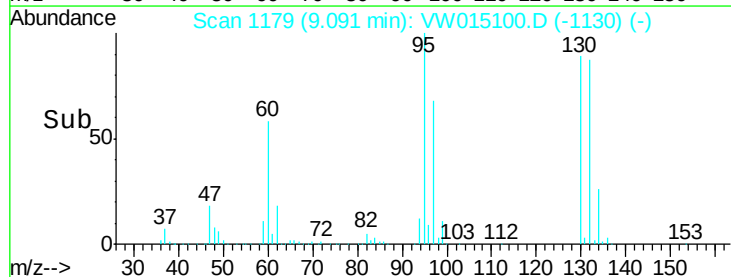
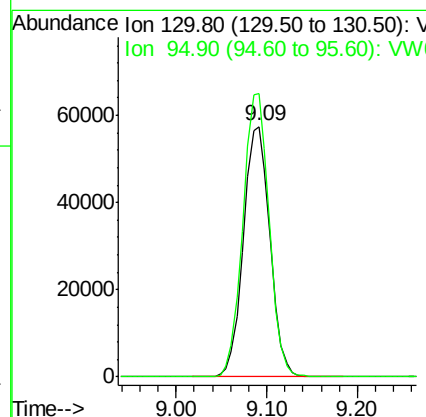
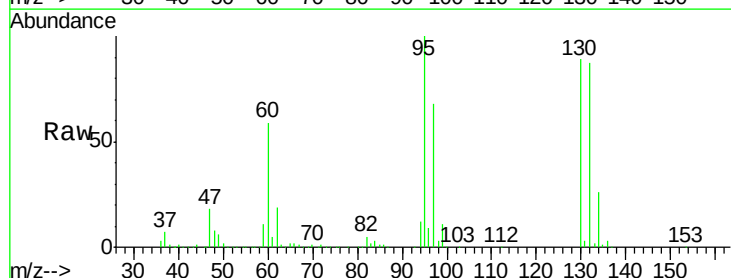
RT: 9.09 min Scan# 1179

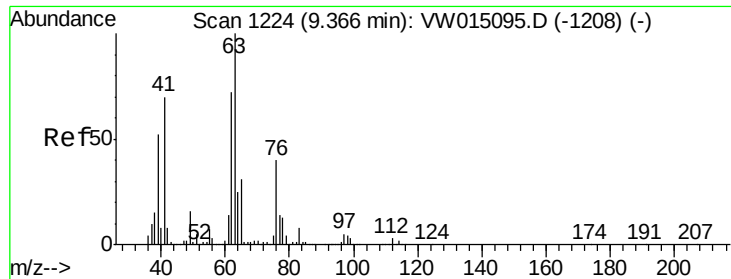
Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Tgt Ion:	130	Resp:	116367
Ion	Ratio	Lower	Upper
130	100		
95	112.9	0.0	219.8





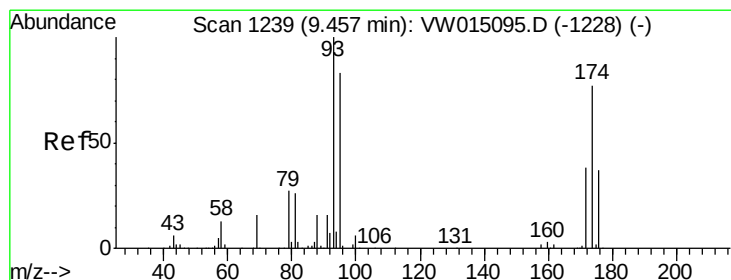
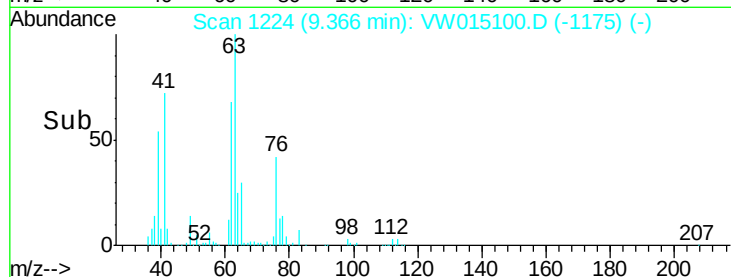
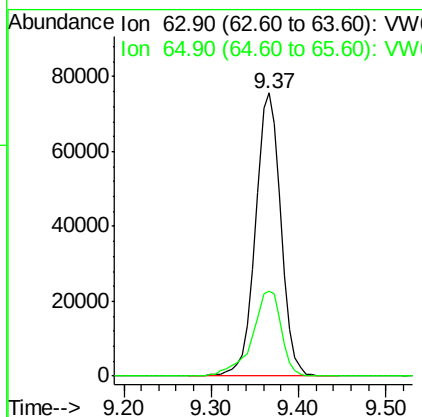
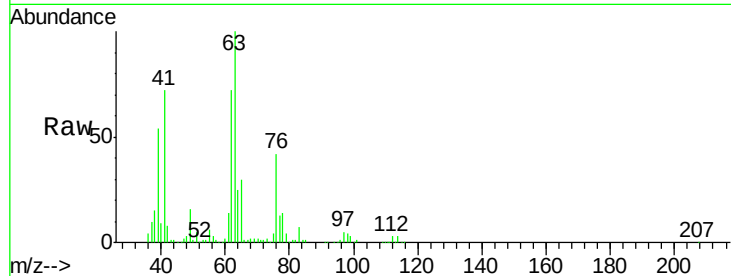
#45
 1,2-Dichloropropane
 Concen: 20.991 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	36.8

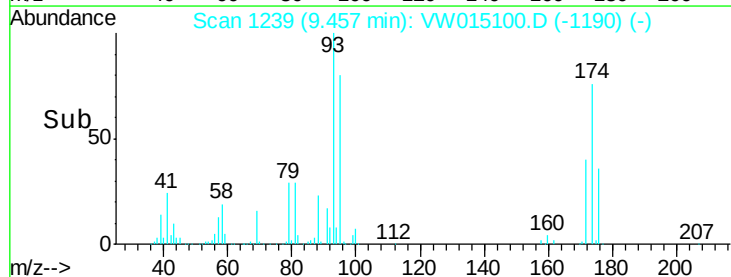
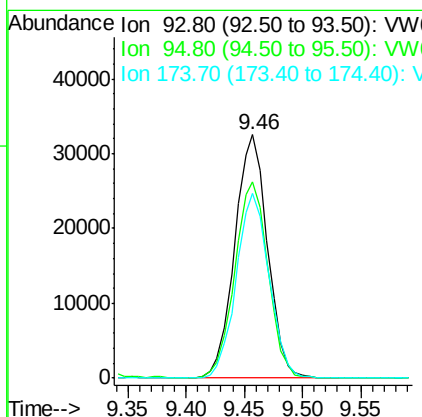
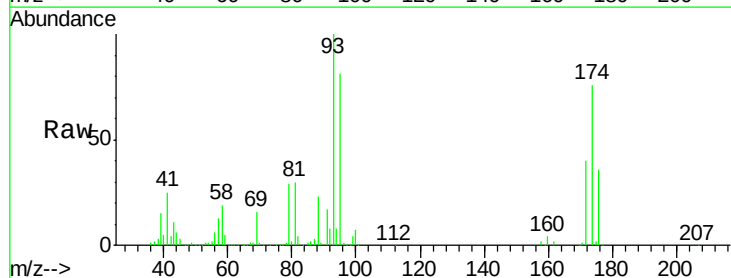
Manual Integrations
 APPROVED

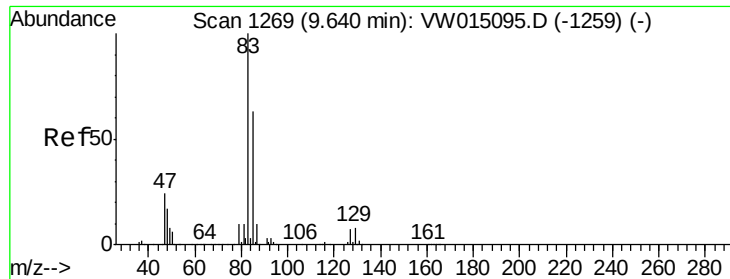
MMDadoda
 3/11/2020 3:24:06 PM



#46
 Dibromomethane
 Concen: 20.359 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.6	100.0
174	76.0	60.6	91.0





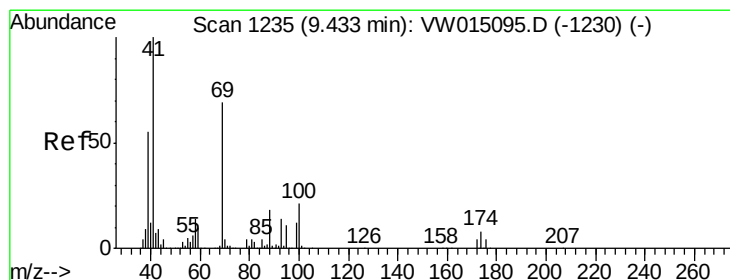
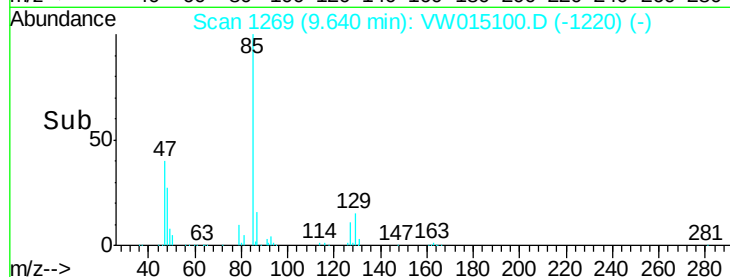
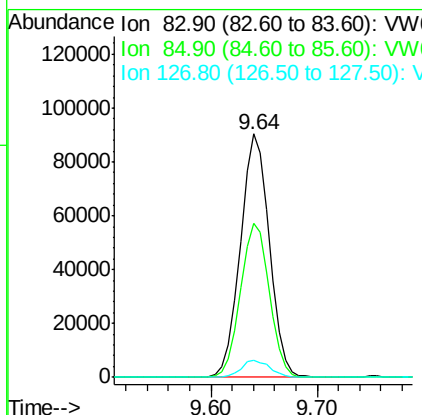
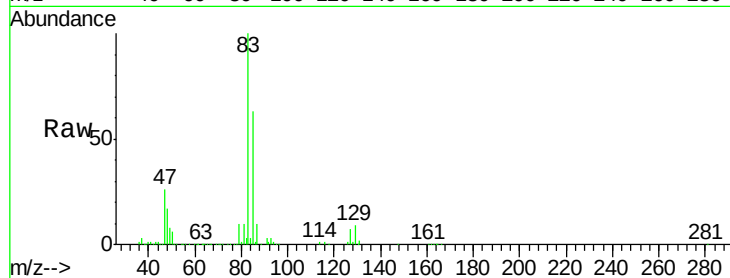
#47
Bromodichloromethane
Concen: 20.575 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.7	76.1
127	6.8	5.5	8.3

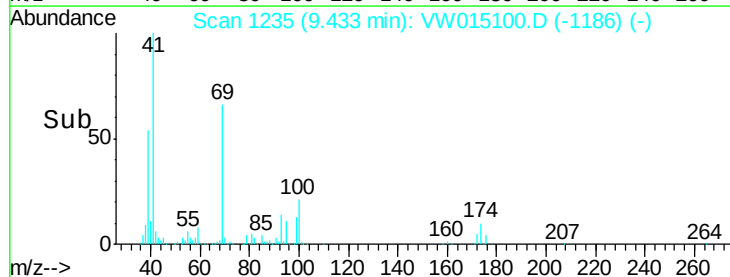
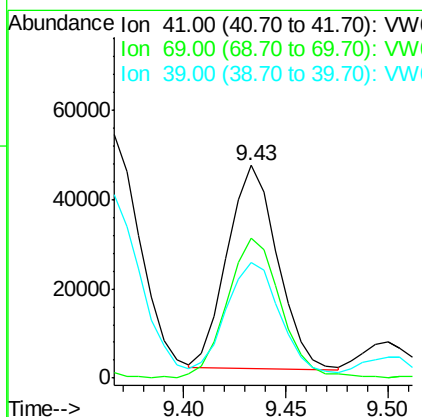
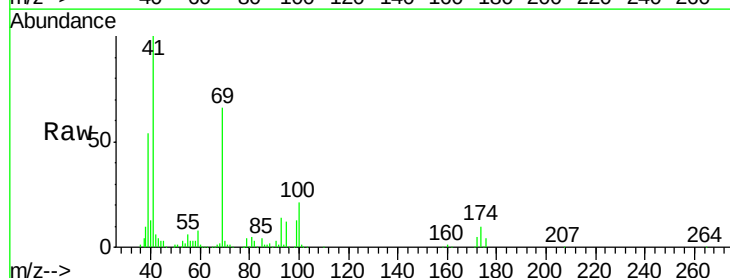
Manual Integrations
APPROVED

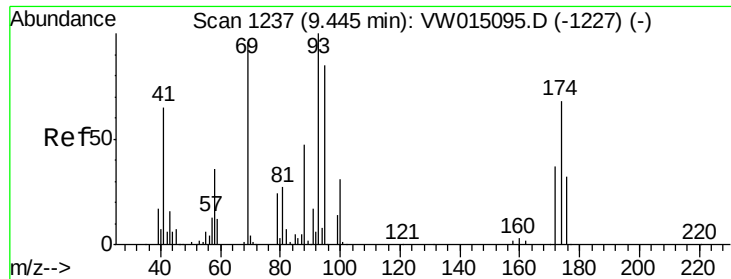
MMDadoda
3/11/2020 3:24:06 PM



#48
Methyl methacrylate
Concen: 19.093 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.2	58.7	88.1
39	57.0	45.1	67.7





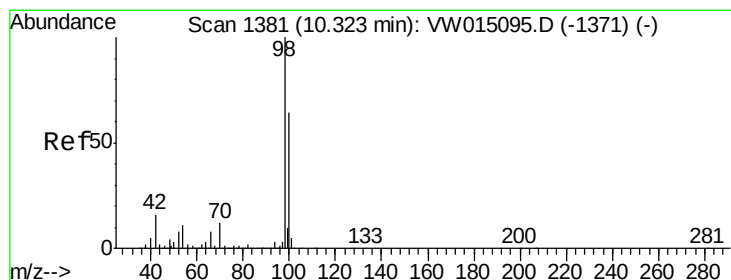
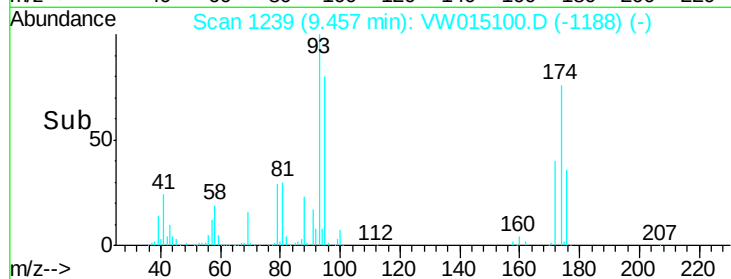
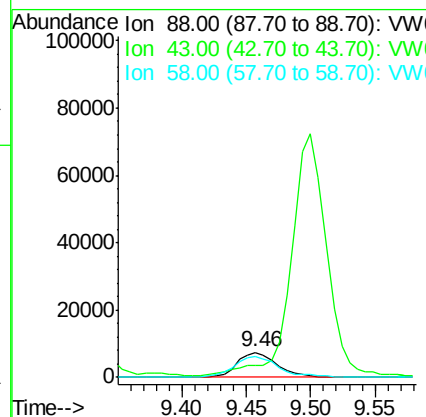
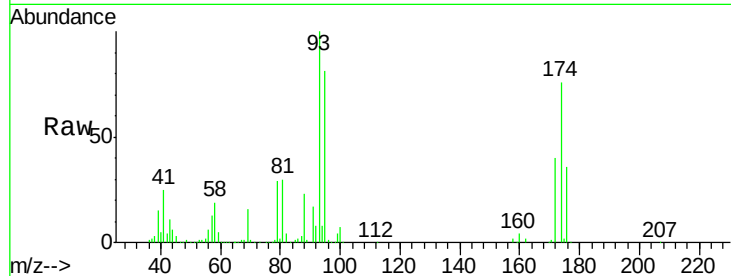
#49
1,4-Dioxane
Concen: 329.381 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	35.8	53.8#
58	95.7	64.0	96.0

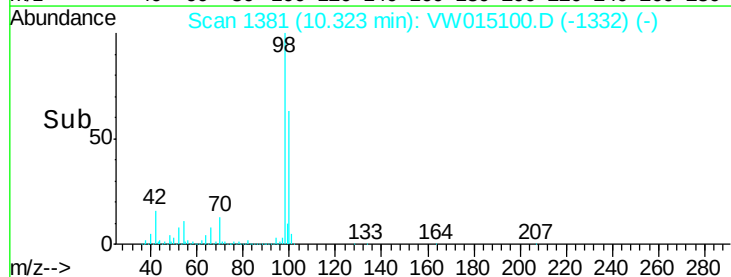
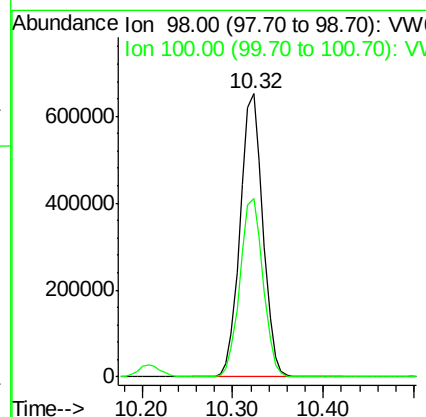
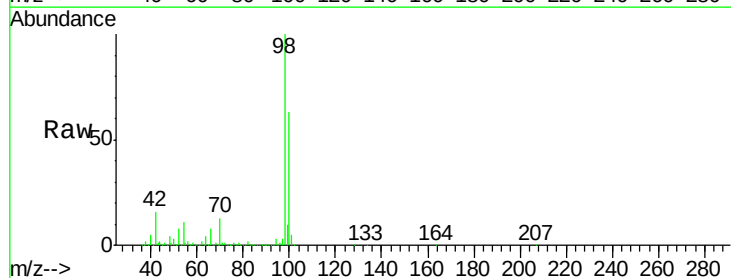
Manual Integrations
APPROVED

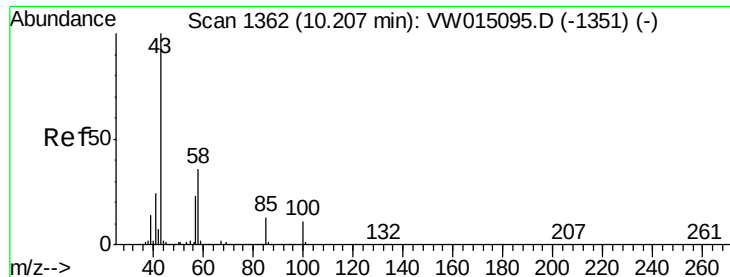
MMDadoda
3/11/2020 3:24:06 PM



#50
Toluene-d8
Concen: 54.107 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.2





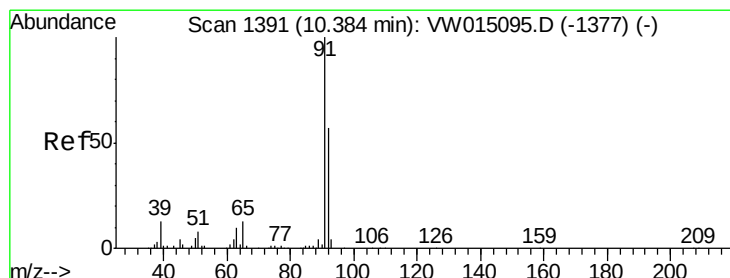
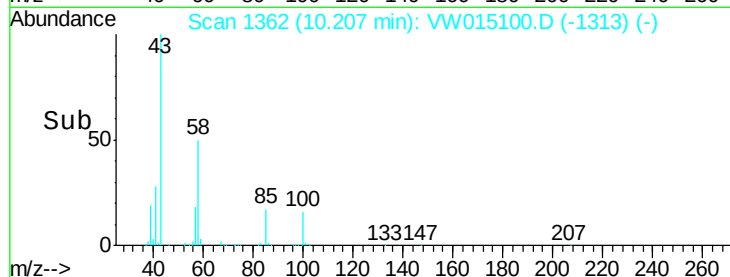
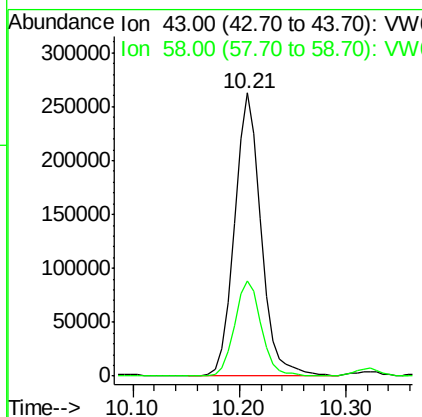
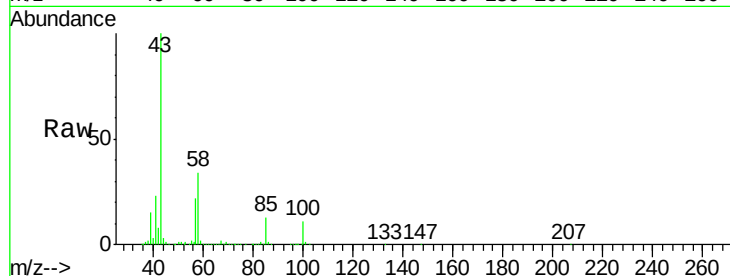
#51
4-Methyl-2-Pentanone
Concen: 95.924 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.3	28.0	42.0

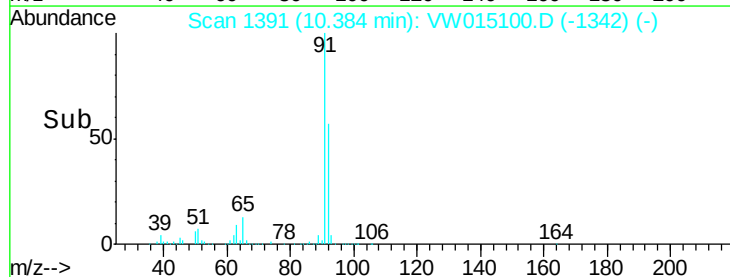
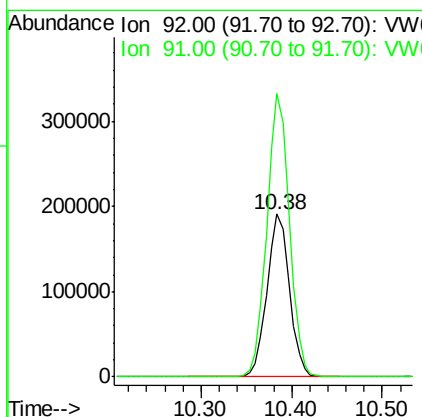
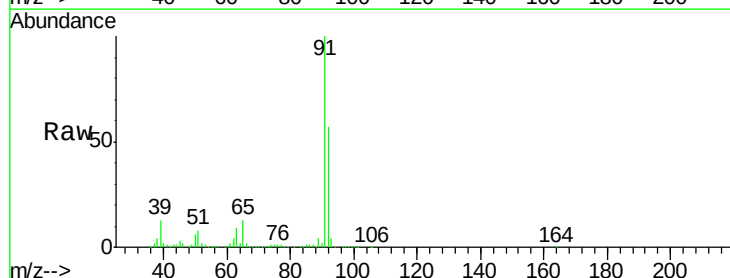
Manual Integrations
APPROVED

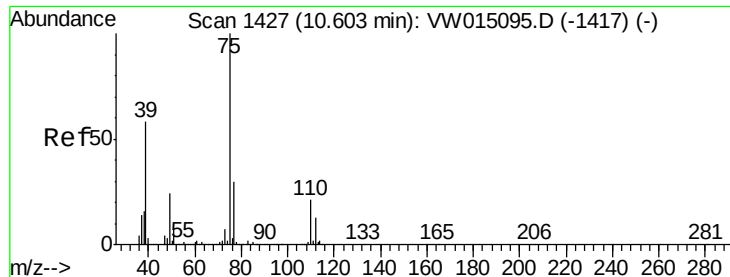
MMDadoda
3/11/2020 3:24:06 PM



#52
Toluene
Concen: 21.248 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.2	138.9	208.3





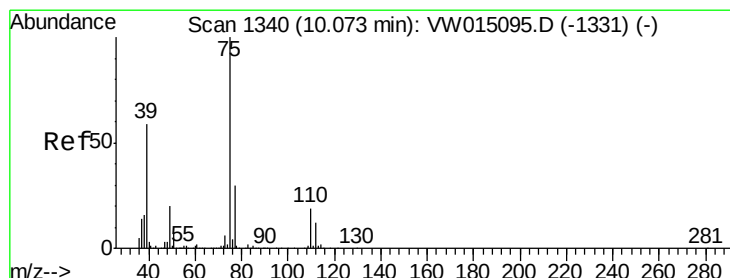
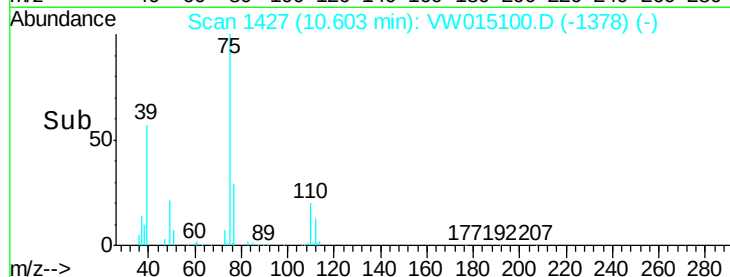
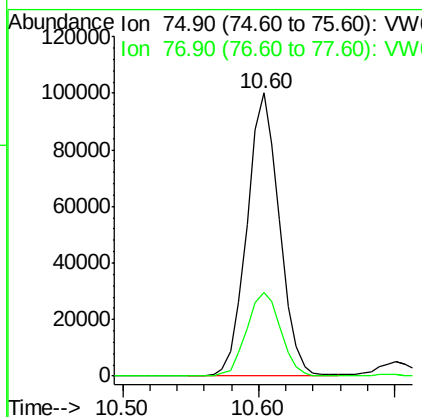
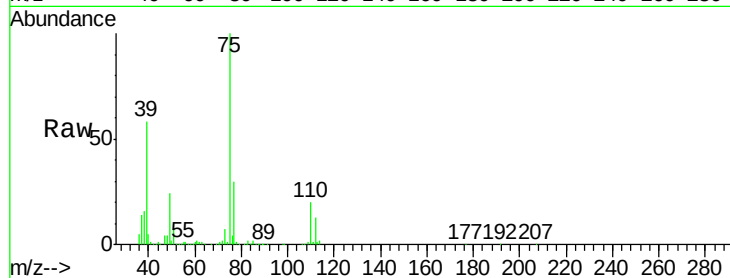
#53
t-1,3-Dichloropropene
Concen: 20.249 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	24.4	36.6

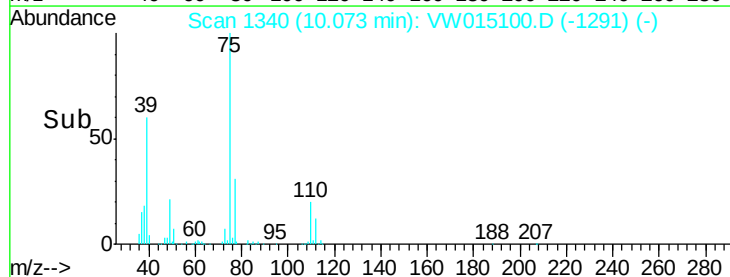
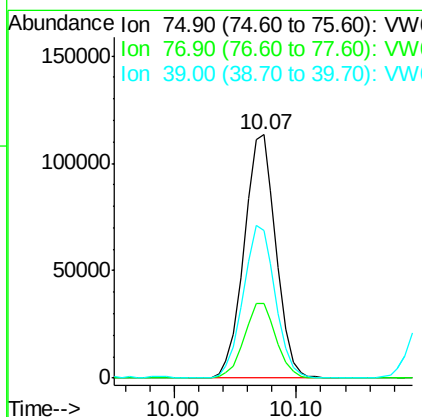
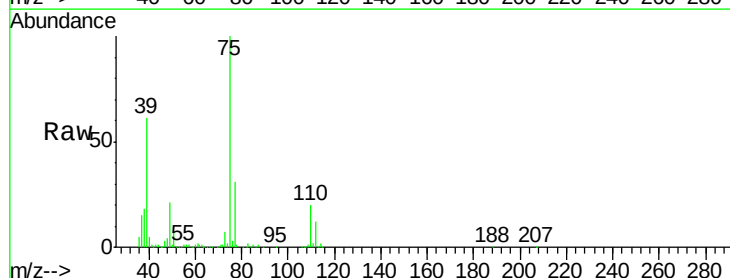
Manual Integrations
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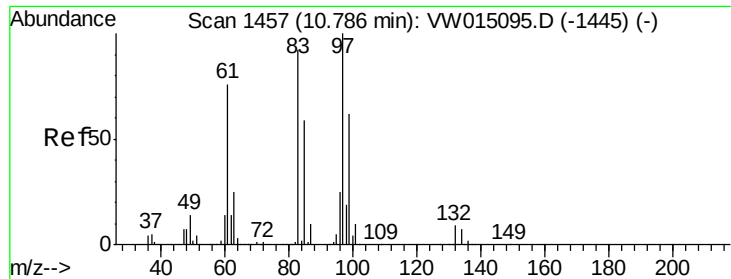
MMDadoda
3/11/2020 3:24:06 PM



#54
cis-1,3-Dichloropropene
Concen: 20.338 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.3	36.5
39	60.7	47.0	70.6





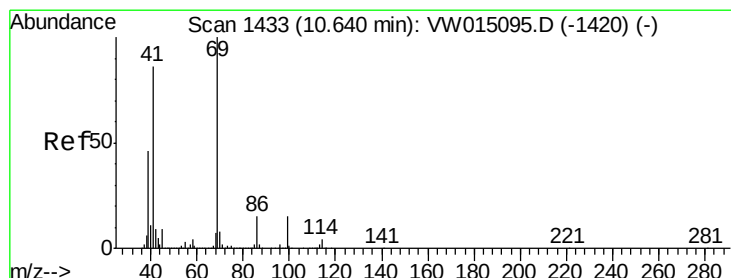
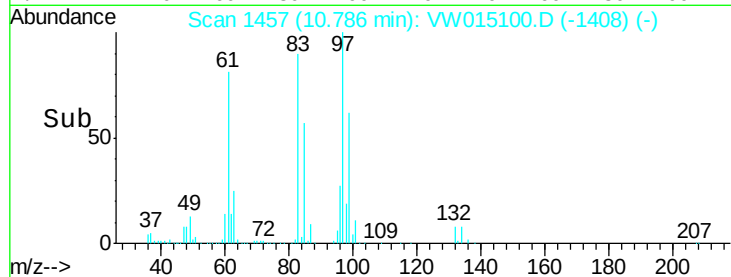
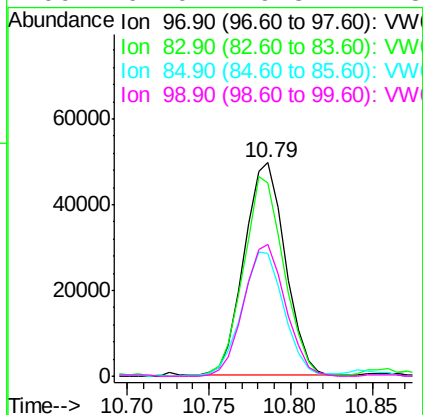
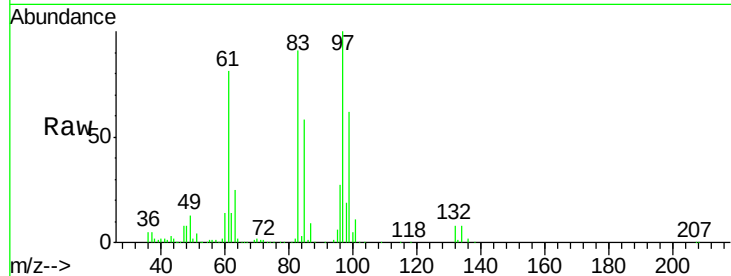
#55
 1,1,2-Trichloroethane
 Concen: 20.234 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Tot Ion:	97	Resp:	87198
Ion	Ratio	Lower	Upper
97	100		
83	90.8	74.0	111.0
85	57.5	46.9	70.3
99	62.0	49.8	74.8

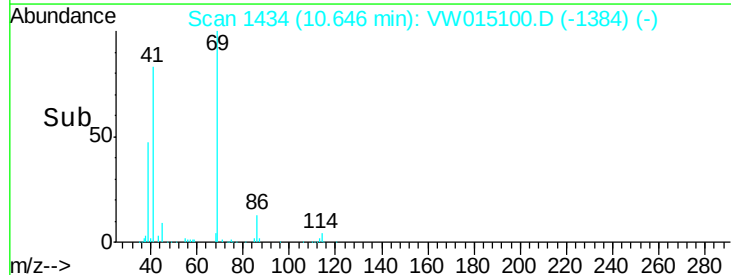
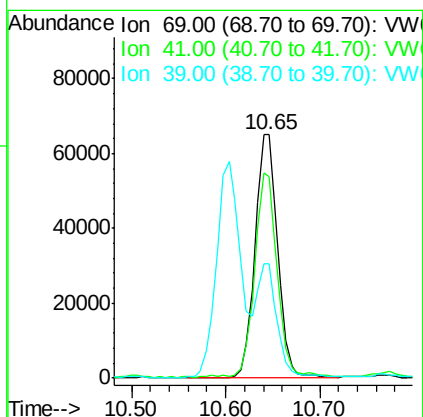
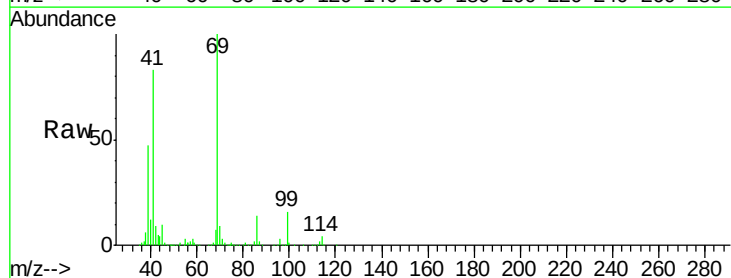
Manual Integrations
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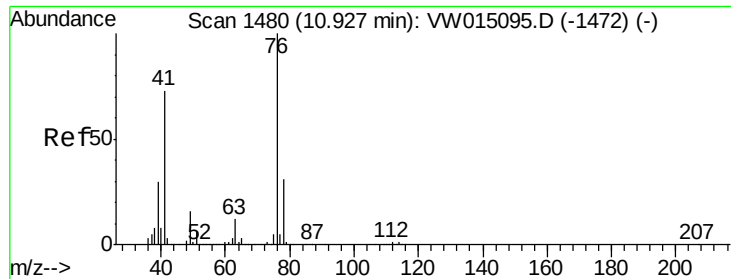
MMDadoda
 3/11/2020 3:24:06 PM



#56
 Ethyl methacrylate
 Concen: 19.161 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion:	69	Resp:	110904
Ion	Ratio	Lower	Upper
69	100		
41	84.8	65.8	98.6
39	40.5	31.2	46.8





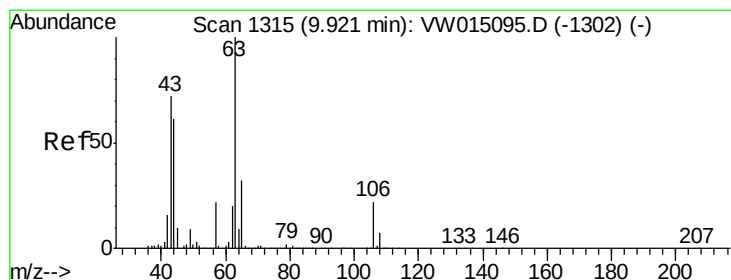
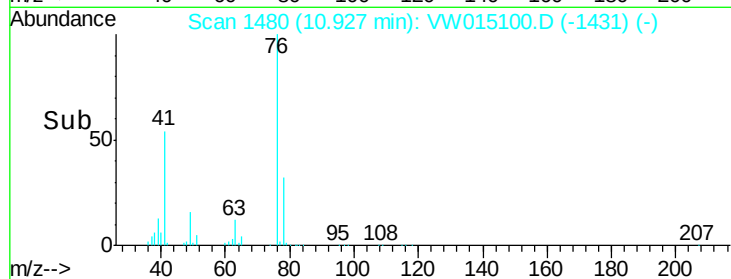
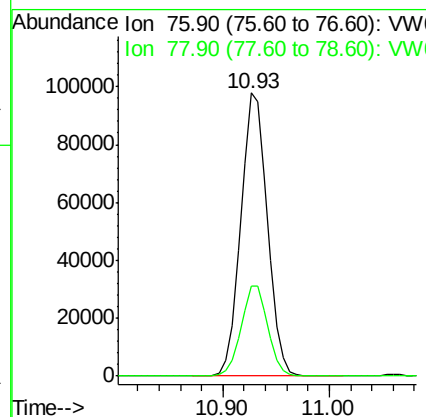
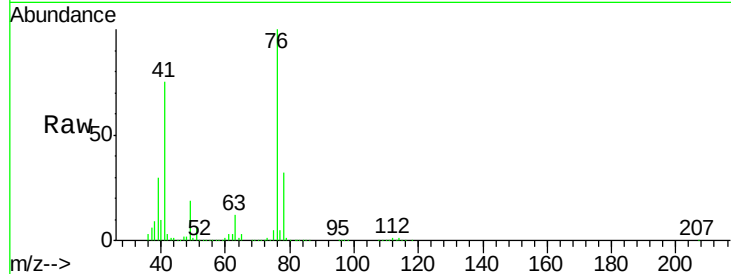
#57
 1,3-Dichloropropane
 Concen: 20.951 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Tot Ion: 76 Resp: 171893
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.3 37.9

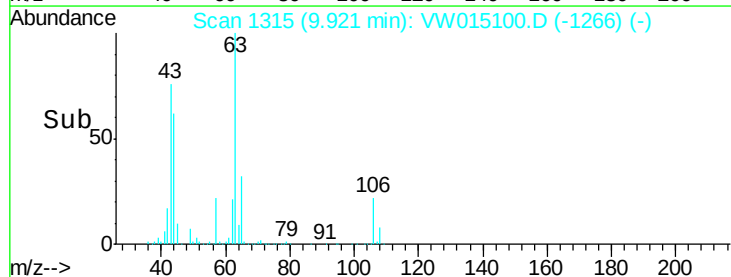
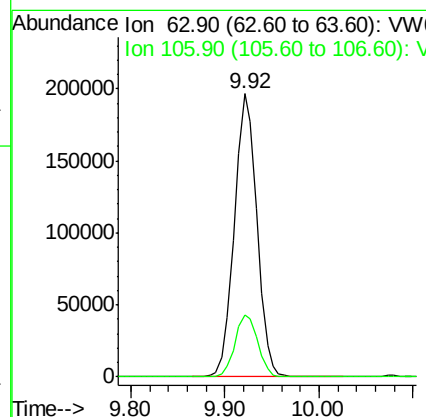
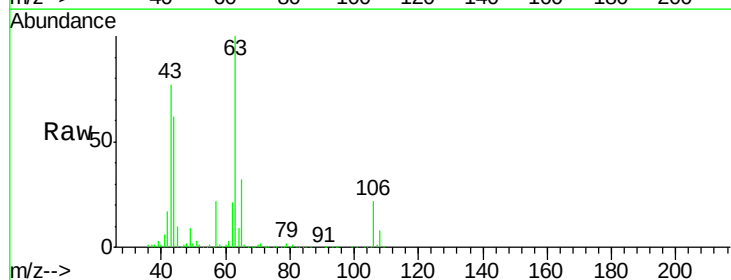
Manual Integrations
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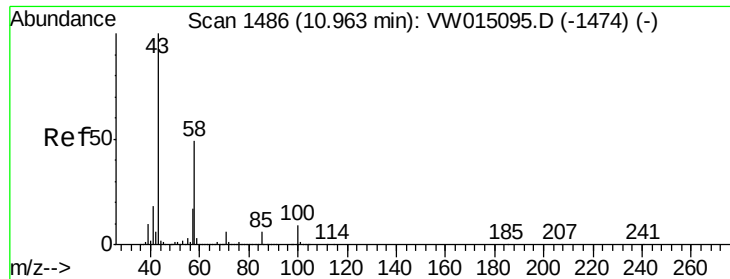
MMDadoda
 3/11/2020 3:24:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.046 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion: 63 Resp: 326409
 Ion Ratio Lower Upper
 63 100
 106 22.4 18.0 27.0





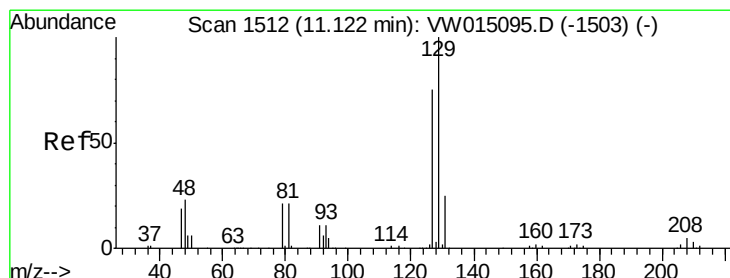
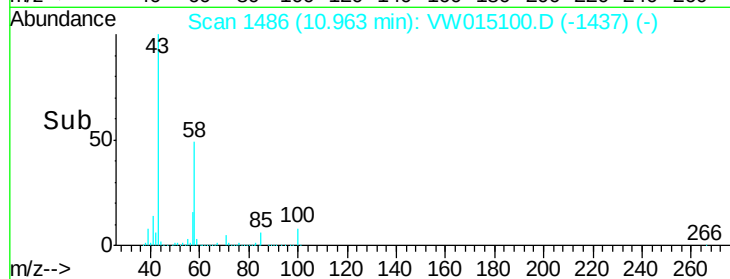
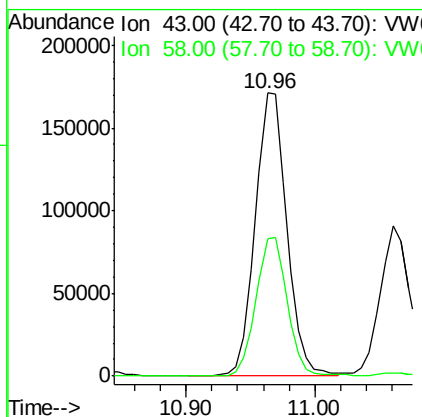
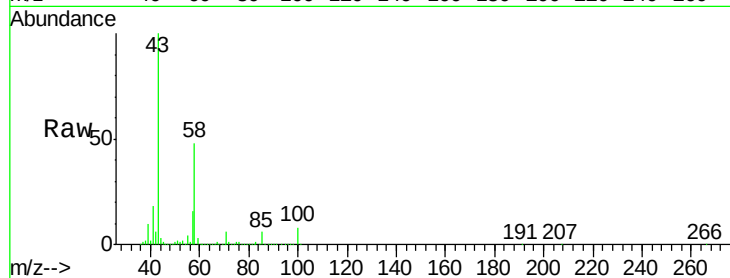
#59
2-Hexanone
Concen: 91.012 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	24.6	73.8

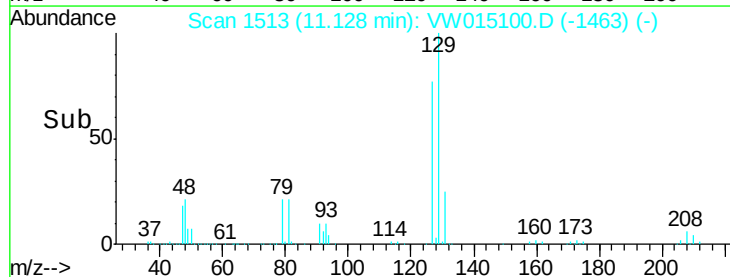
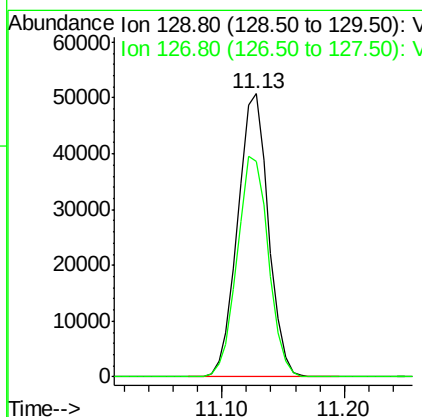
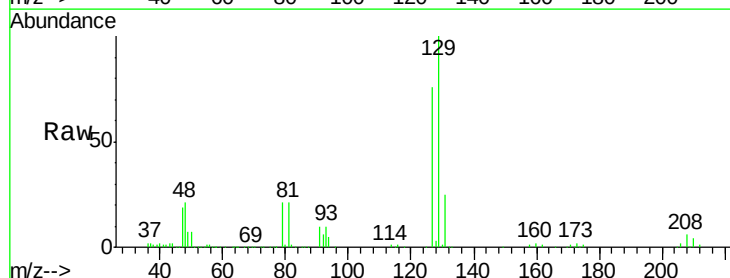
Manual Integrations
APPROVED

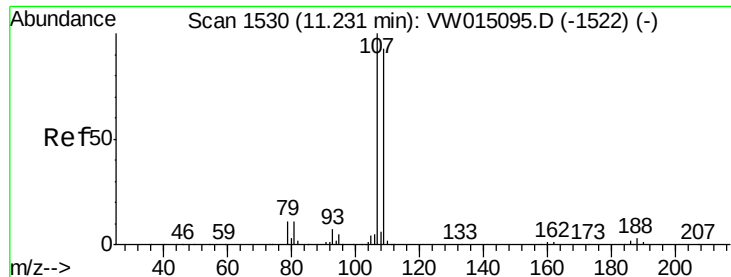
MMDadoda
3/11/2020 3:24:06 PM



#60
Dibromochloromethane
Concen: 19.833 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	38.7	116.1





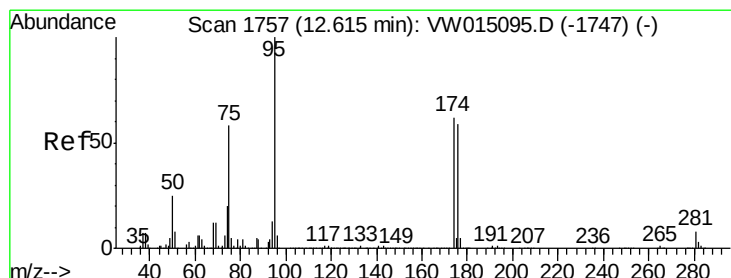
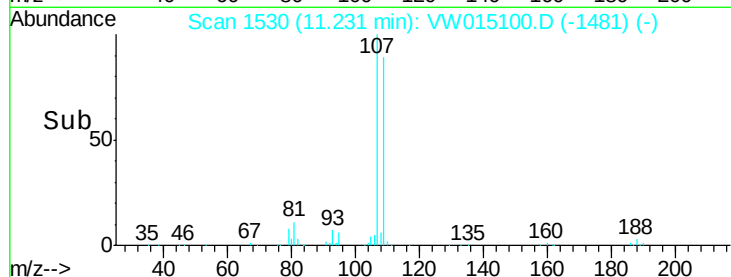
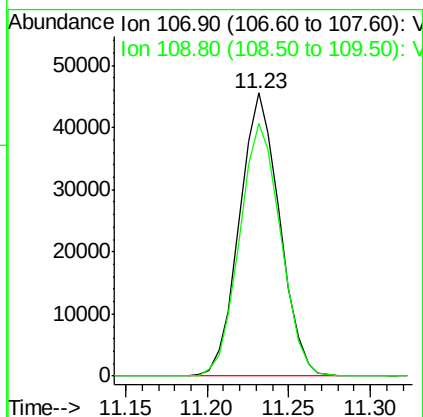
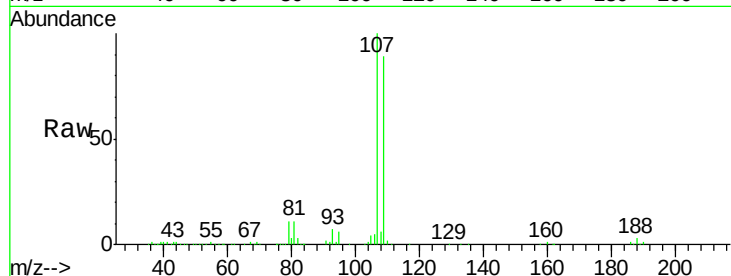
#61
1,2-Dibromoethane
Concen: 20.426 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	75.3	112.9

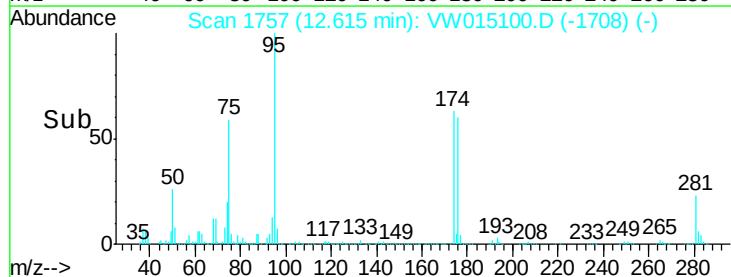
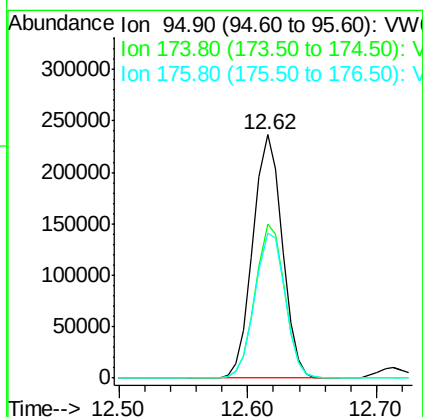
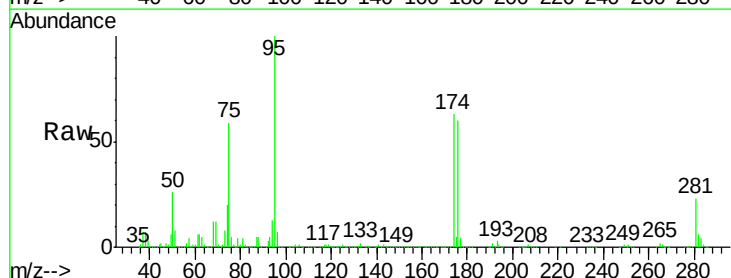
Manual Integrations
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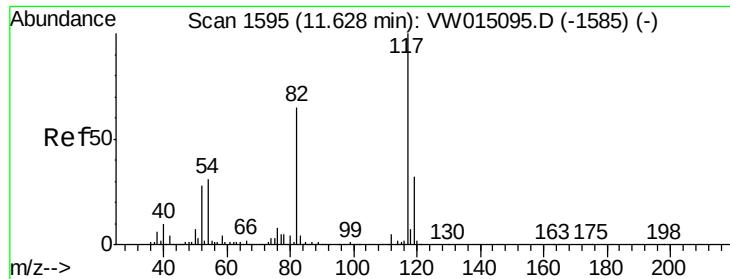
MMDadoda
3/11/2020 3:24:06 PM



#62
4-Bromofluorobenzene
Concen: 53.650 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.6	0.0	126.8
176	61.8	0.0	121.6





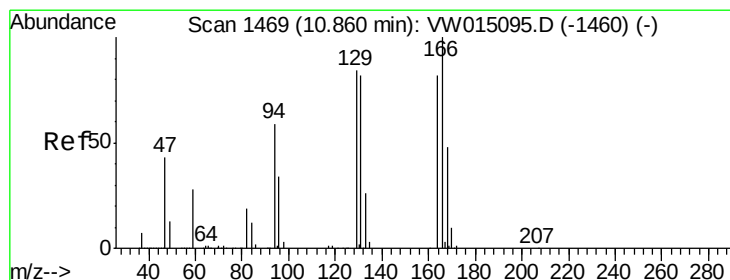
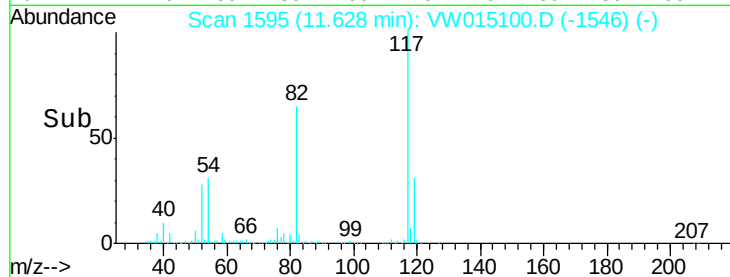
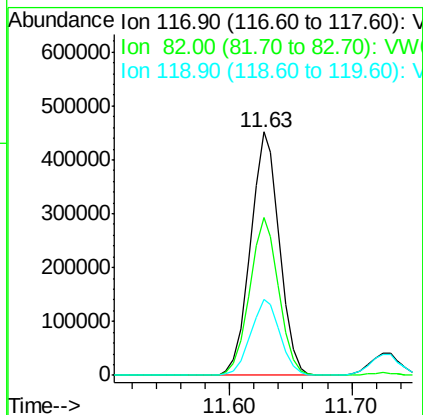
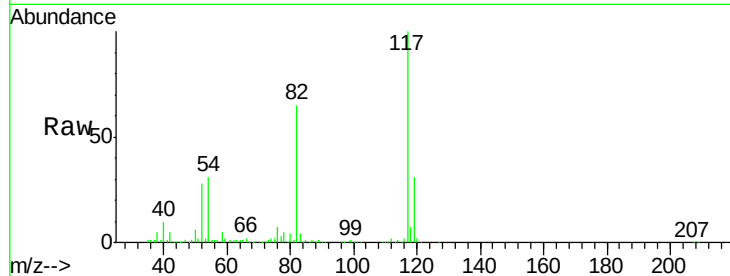
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.6	52.2	78.2
119	31.0	25.4	38.0

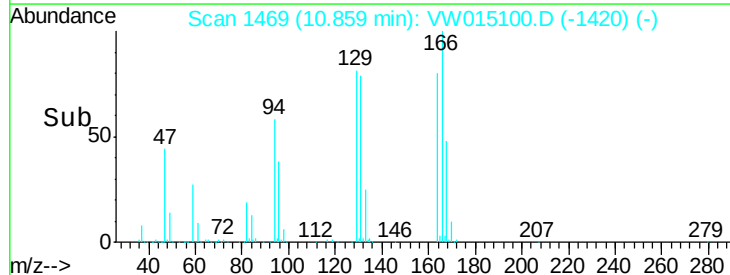
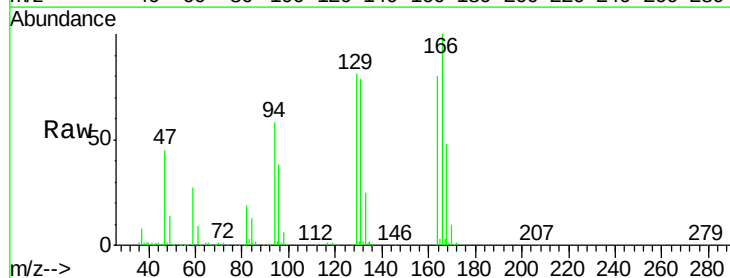
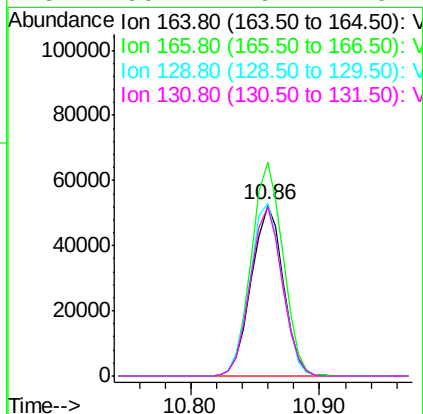
Manual Integrations
APPROVED

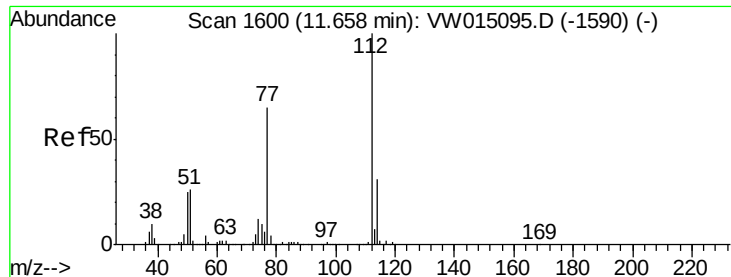
MMDadoda
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#64
Tetrachloroethene
Concen: 20.747 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	97.0	145.6
129	101.5	81.2	121.8
131	99.2	79.4	119.2





#65

Chlorobenzene

Concen: 21.050 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tot Ion:112 Resp: 313377

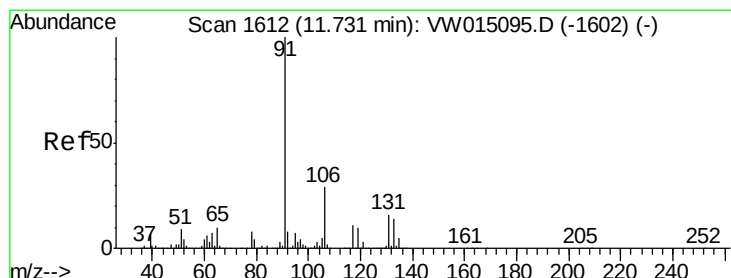
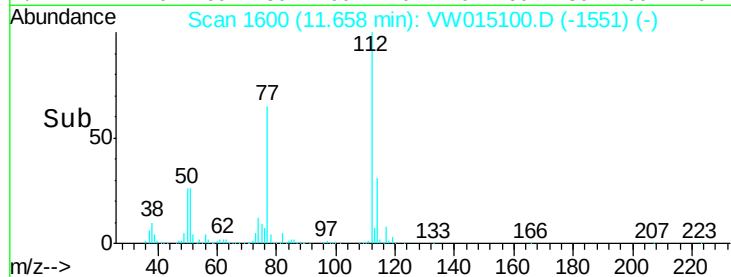
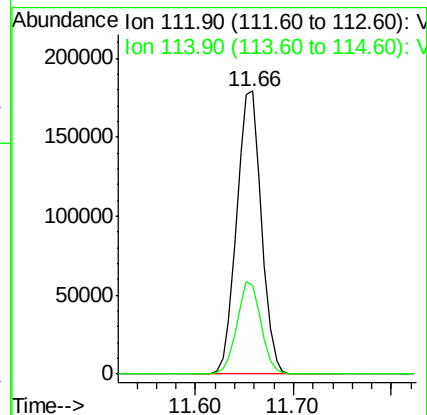
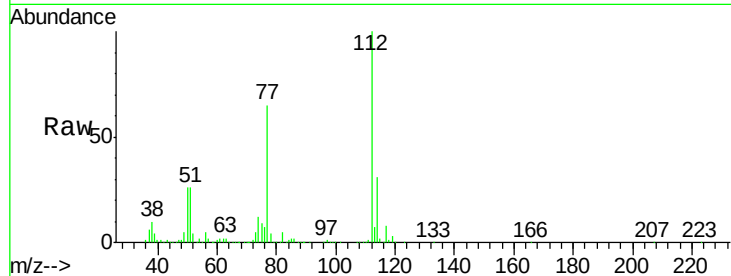
Ion Ratio Lower Upper

112 100

114 31.2 25.0 37.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.496 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

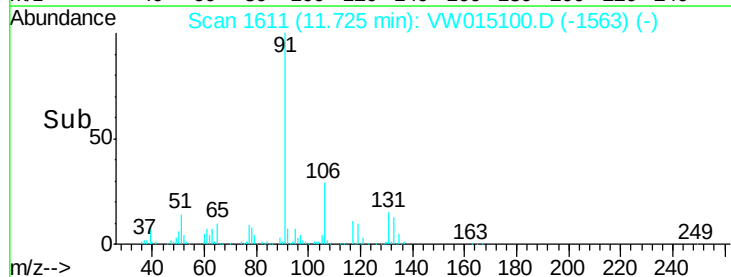
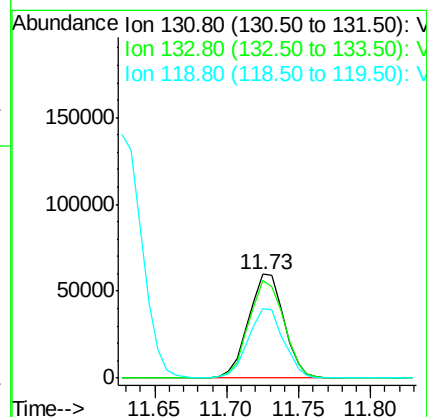
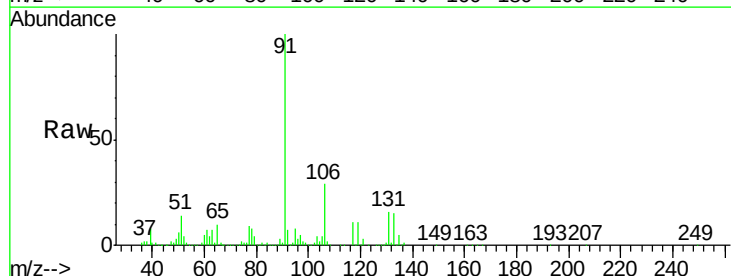
Tgt Ion:131 Resp: 101606

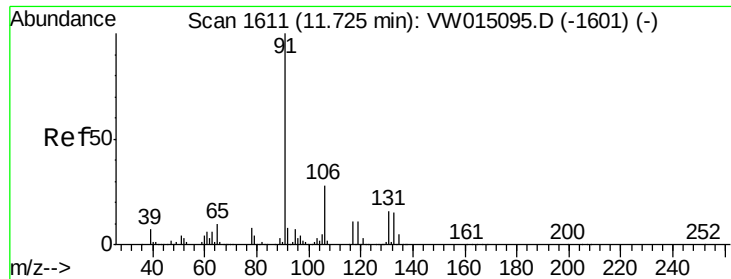
Ion Ratio Lower Upper

131 100

133 94.1 47.3 141.8

119 67.5 34.0 101.8





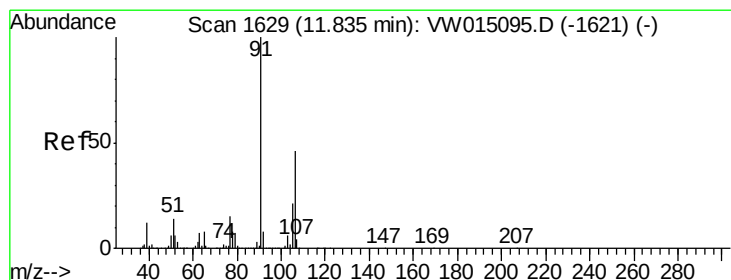
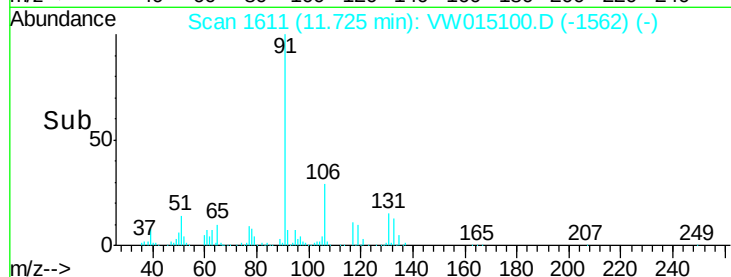
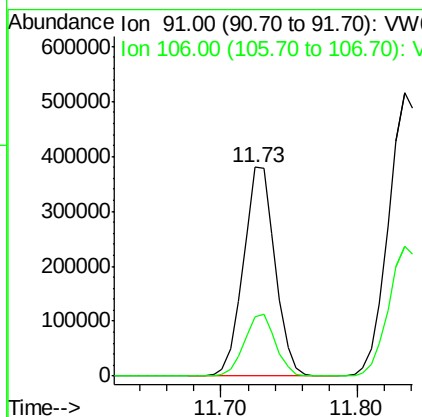
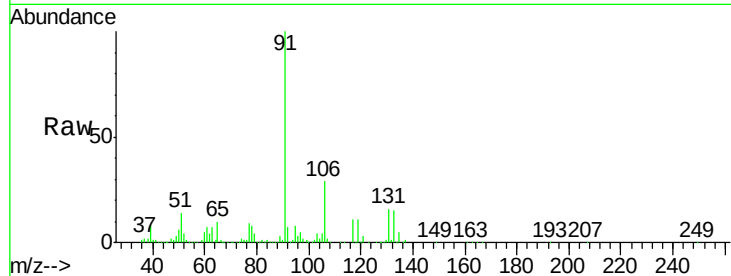
#67
Ethyl Benzene
Concen: 21.386 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion: 91 Resp: 619548
Ion Ratio Lower Upper
91 100
106 28.6 22.8 34.2

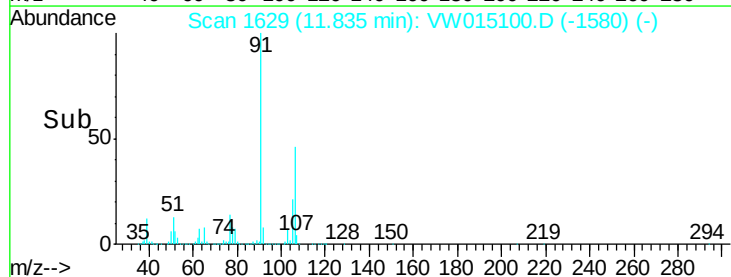
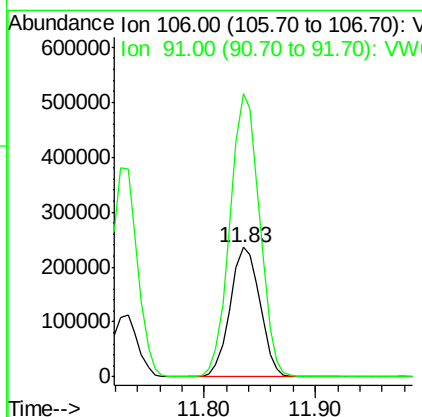
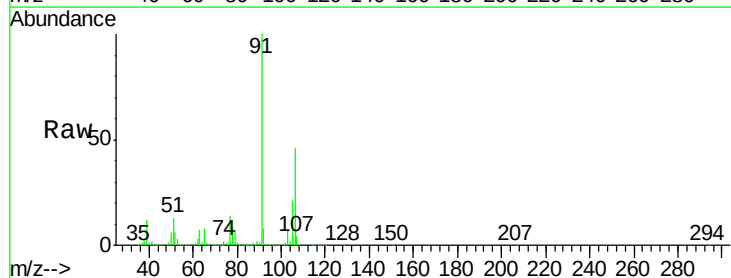
Manual Integrations
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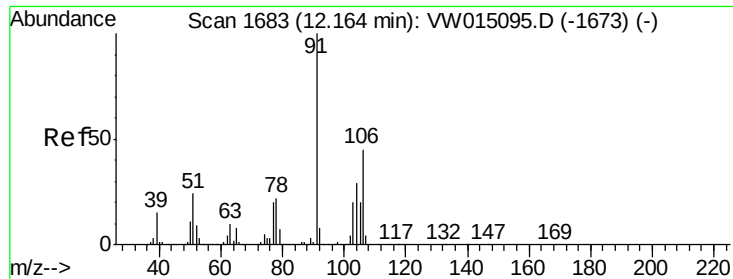
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#68
m/p-Xylenes
Concen: 42.793 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion: 106 Resp: 438252
Ion Ratio Lower Upper
106 100
91 216.0 172.3 258.5





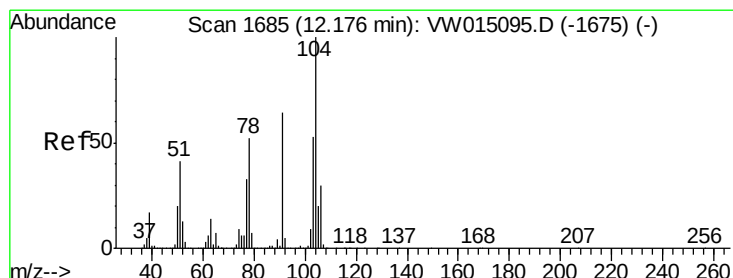
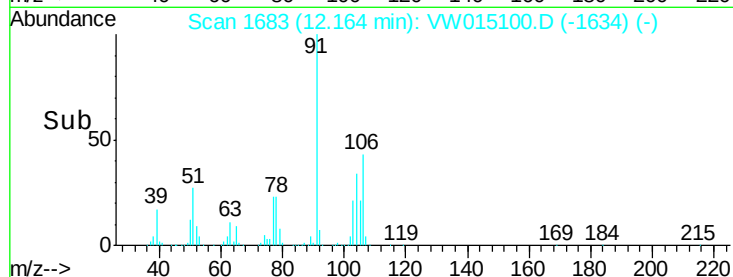
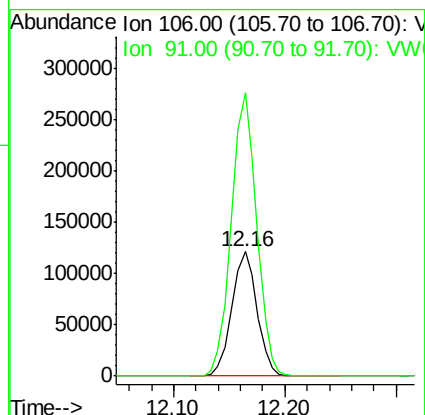
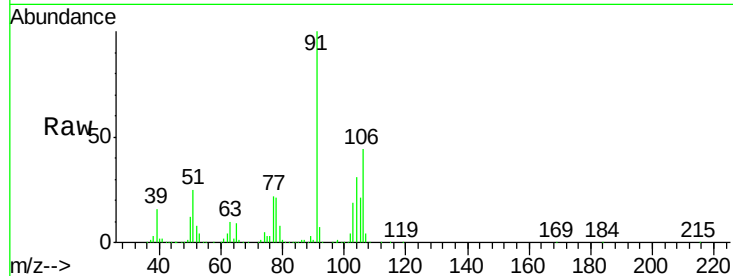
#69
o-Xylene
Concen: 20.645 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion:106 Resp: 190453
Ion Ratio Lower Upper
106 100
91 229.0 112.6 337.8

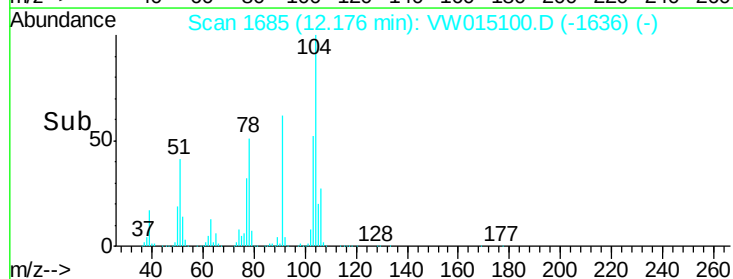
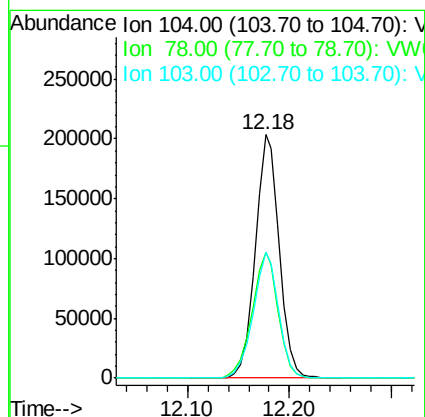
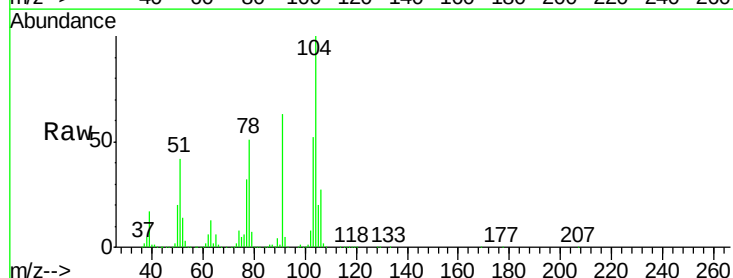
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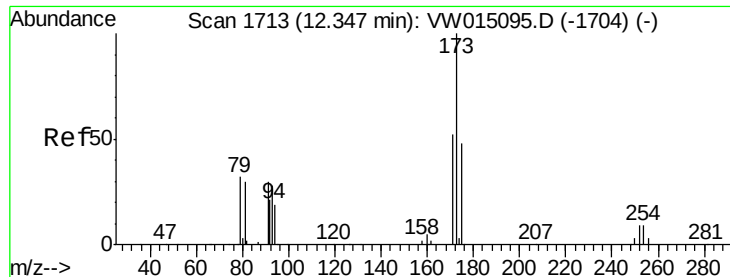
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#70
Styrene
Concen: 21.071 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion:104 Resp: 333073
Ion Ratio Lower Upper
104 100
78 56.0 44.7 67.1
103 54.7 44.7 67.1





#71

Bromoform

Concen: 19.474 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tot Ion:173 Resp: 42843

Ion Ratio Lower Upper

173 100

175 48.8 23.8 71.4

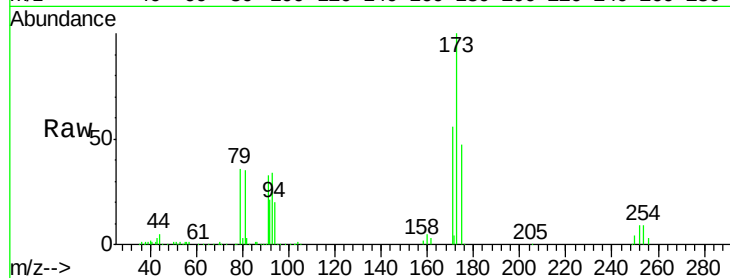
254 0.0 0.1 0.1#

Manual Integrations

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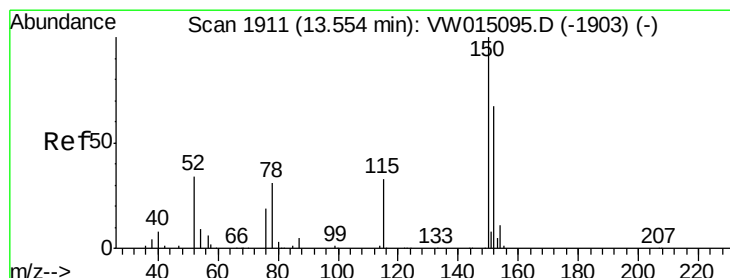
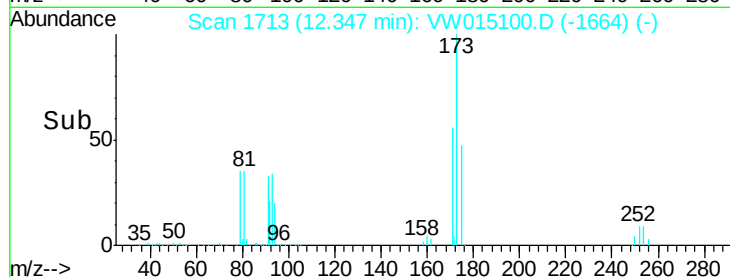
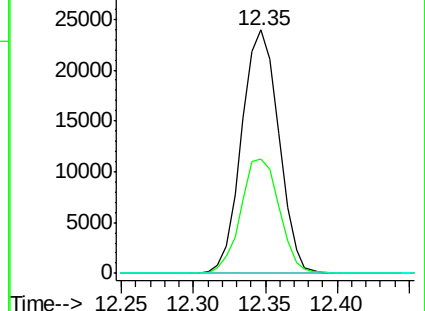
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

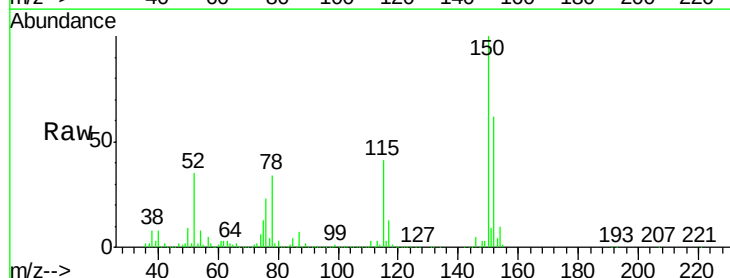
Tgt Ion:152 Resp: 325169

Ion Ratio Lower Upper

152 100

115 66.3 33.3 99.9

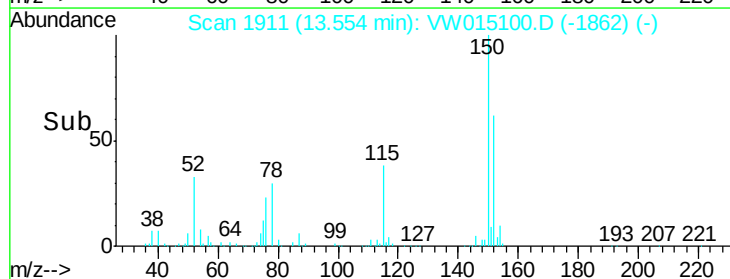
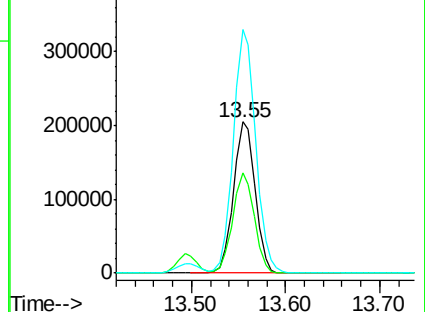
150 166.3 0.0 351.2

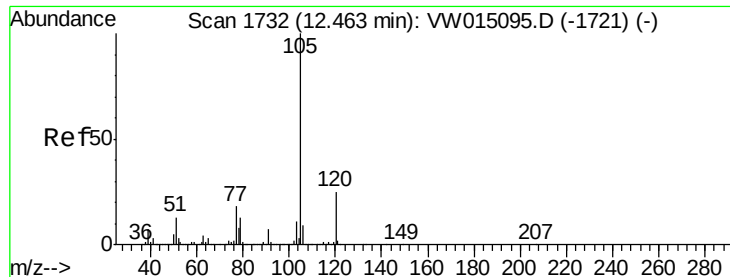


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.819 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tot Ion:105 Resp: 541971

Ion Ratio Lower Upper

105 100

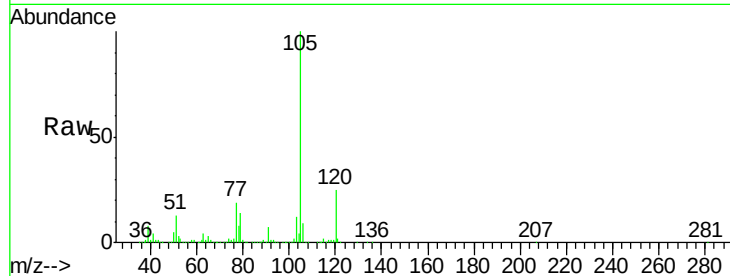
120 24.9 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

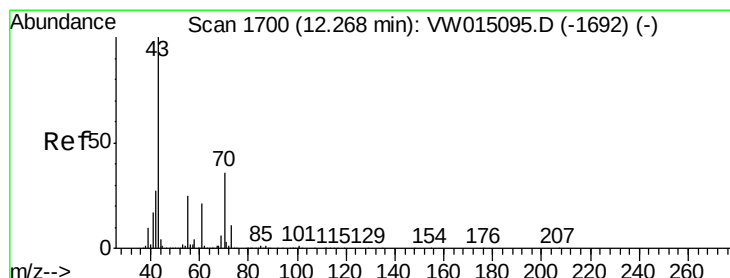
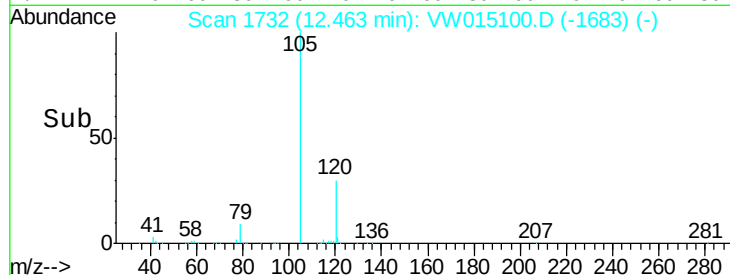
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.745 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Tgt Ion: 43 Resp: 148254

Ion Ratio Lower Upper

43 100

70 35.6 29.4 44.2

55 26.3 20.3 30.5

61 21.6 17.1 25.7

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

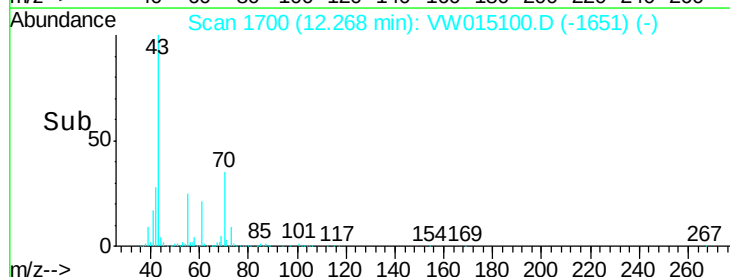
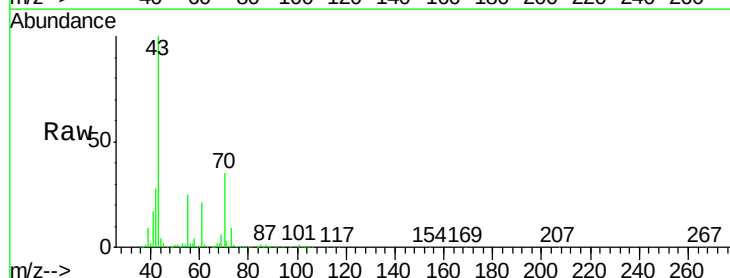
150000

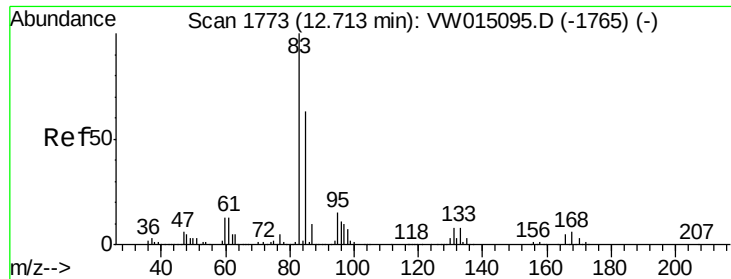
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.777 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

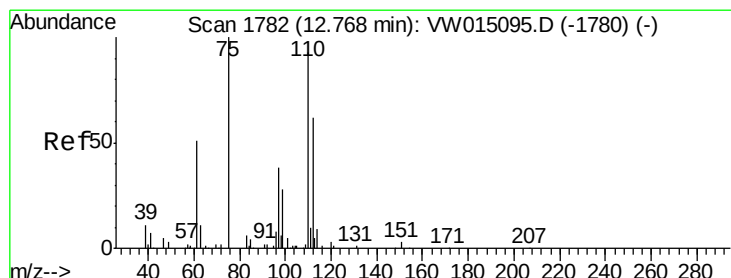
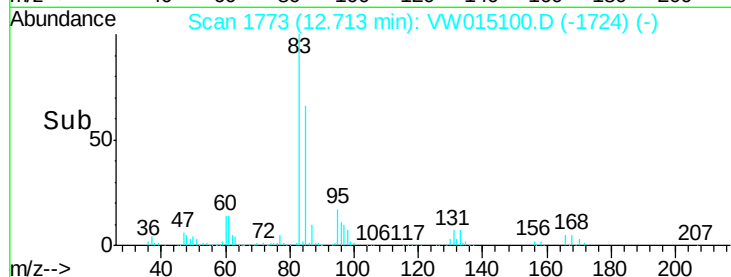
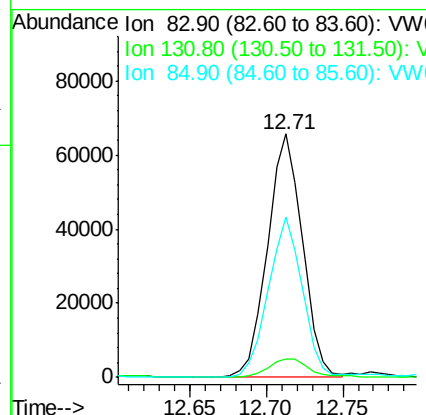
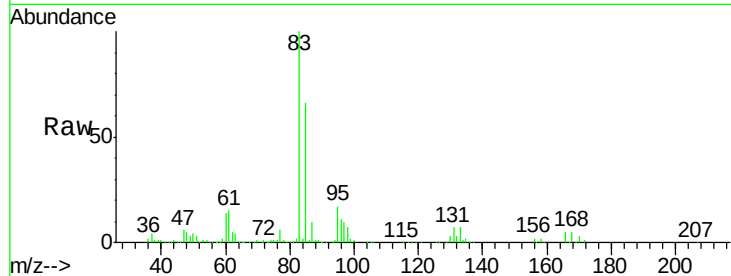
ClientSampleId :

VW0309SBS01

Tot Ion:	83	Resp:	104797
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.3	13.1
85	64.5	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.599 ug/l m

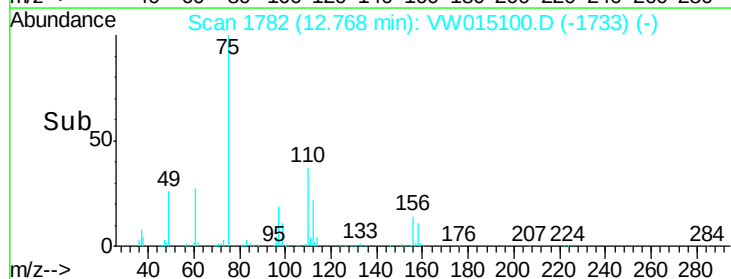
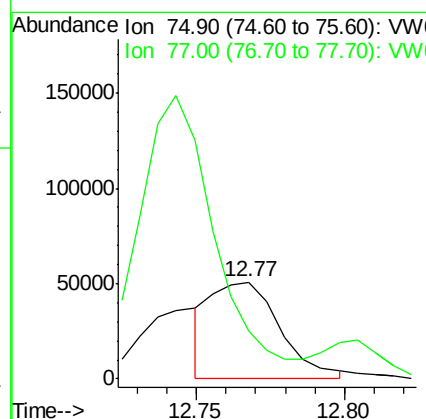
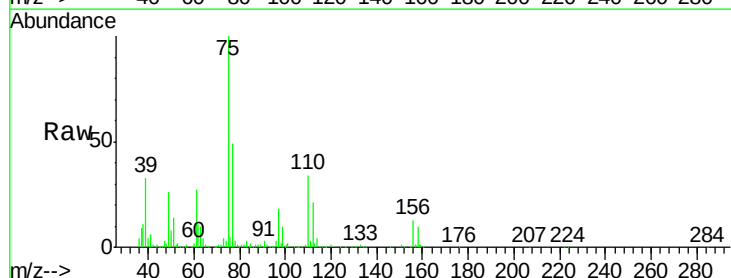
RT: 12.77 min Scan# 1782

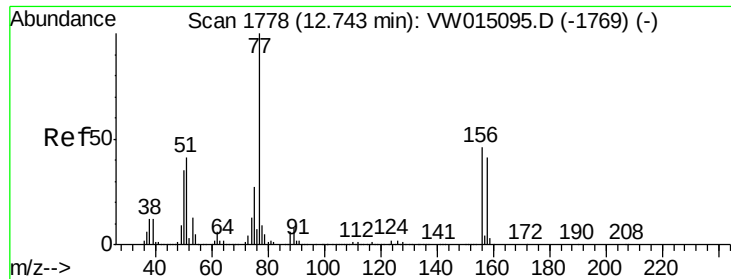
Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Tgt Ion:	75	Resp:	83053
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





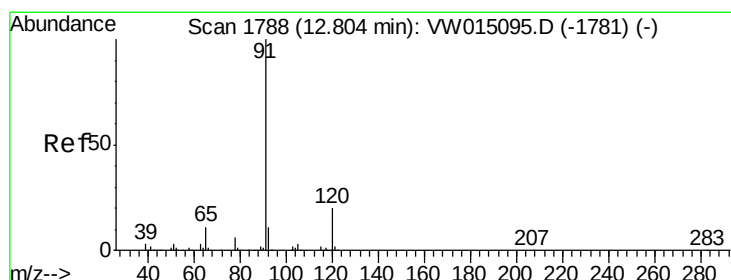
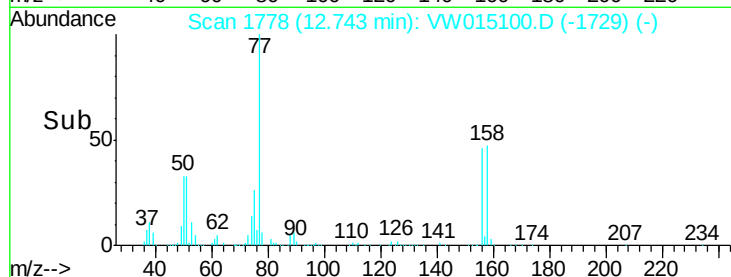
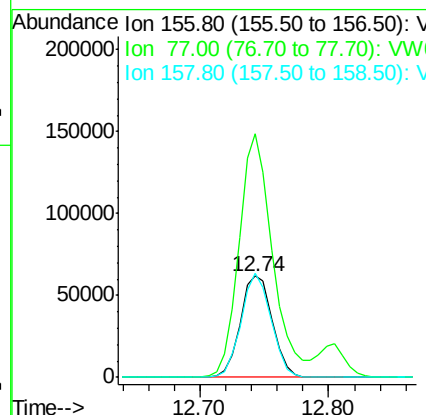
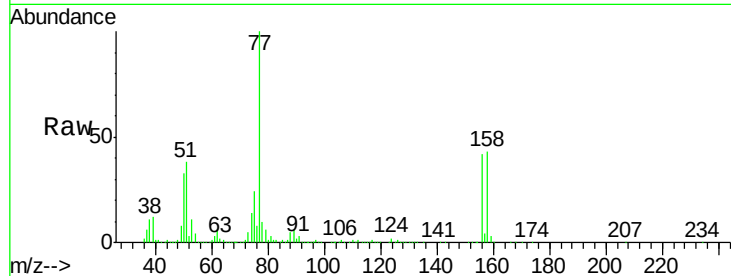
#77
Bromobenzene
Concen: 21.569 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	253.1	126.6	379.8
158	96.1	47.4	142.2

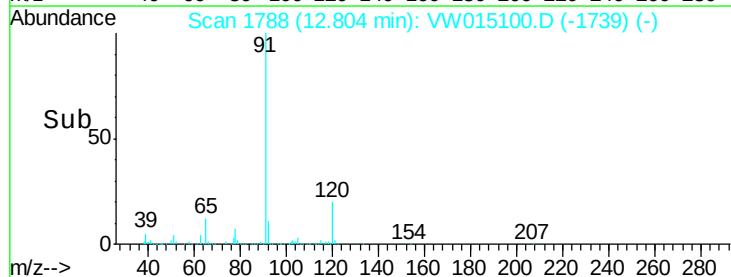
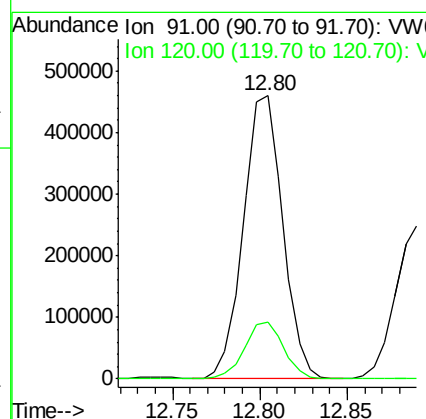
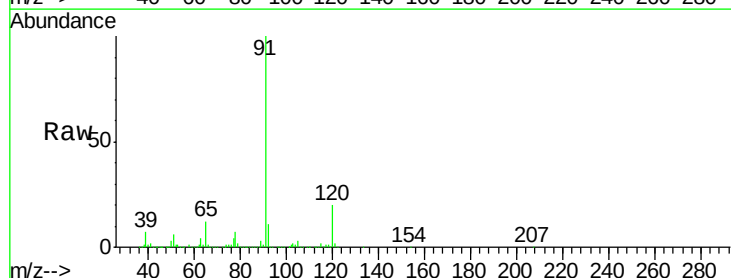
Manual Integrations
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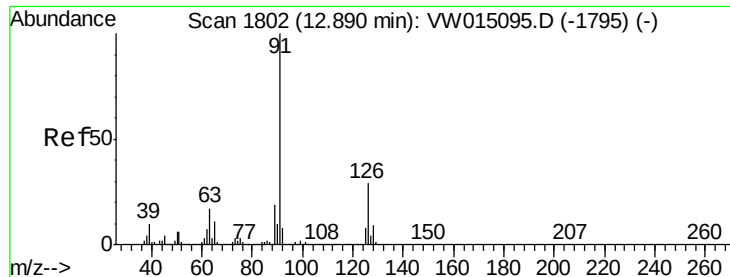
MMDadoda
3/11/2020 3:24:06 PM



#78
n-propylbenzene
Concen: 22.158 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.2	30.4





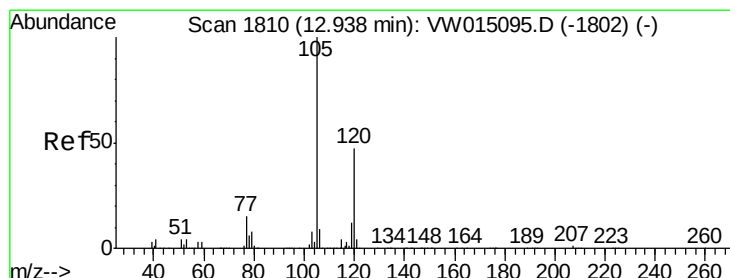
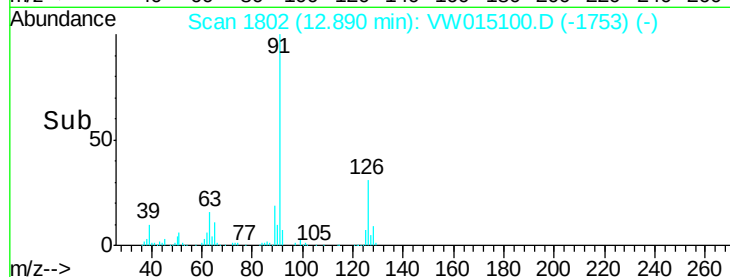
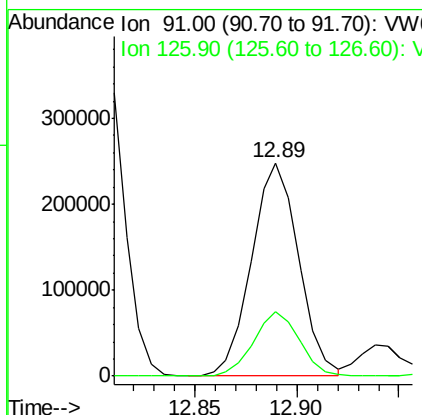
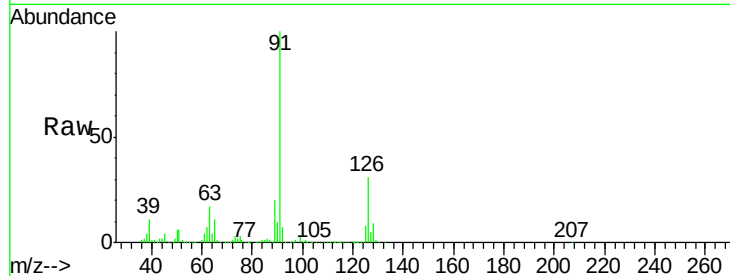
#79
 2-Chlorotoluene
 Concen: 21.920 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Tot Ion: 91 Resp: 397834
 Ion Ratio Lower Upper
 91 100
 126 29.5 14.5 43.6

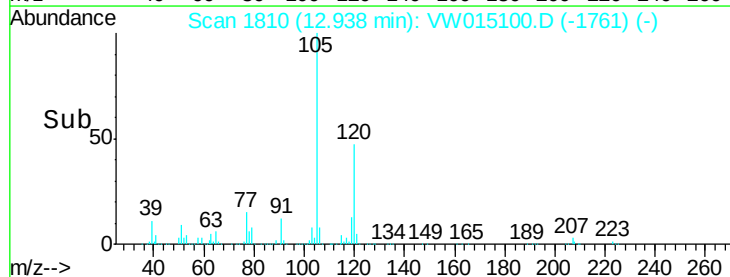
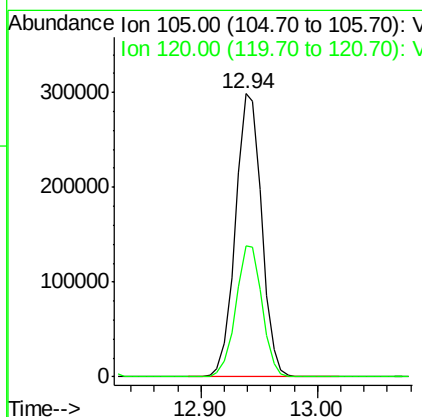
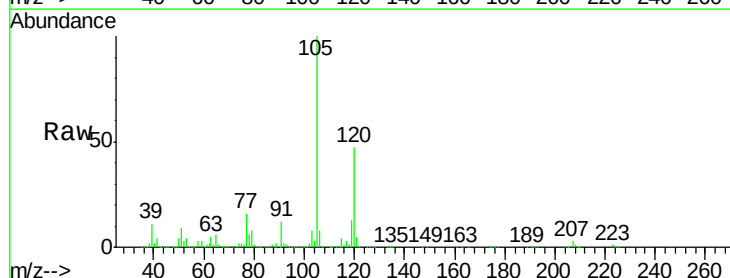
Manual Integrations
 APPROVED

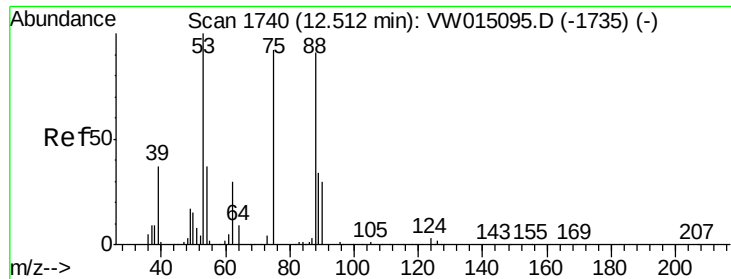
MMDadoda
 3/11/2020 3:24:06 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.837 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion: 105 Resp: 466375
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.8





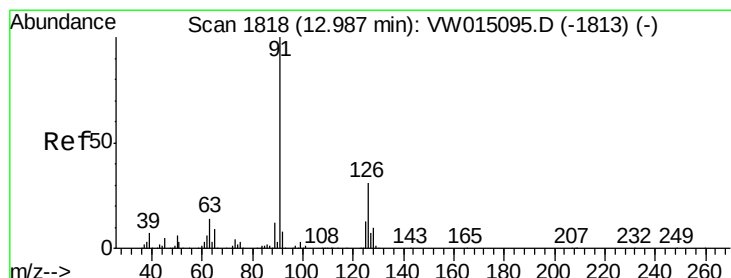
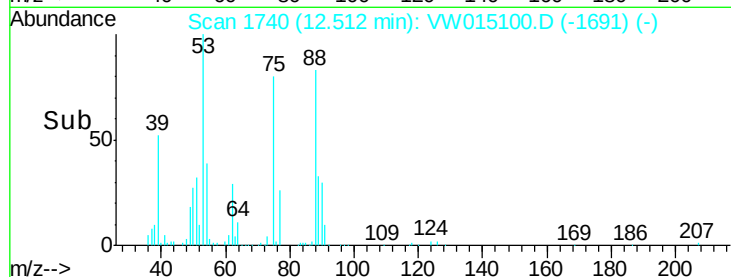
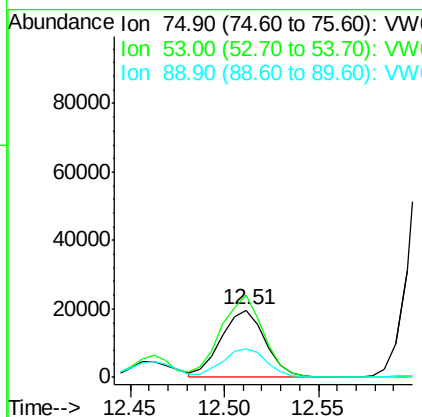
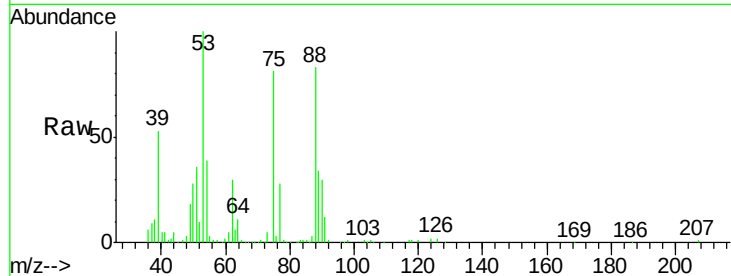
#81
trans-1,4-Dichloro-2-butene
Concen: 19.021 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.6	88.4	132.6
89	44.3	33.1	49.7

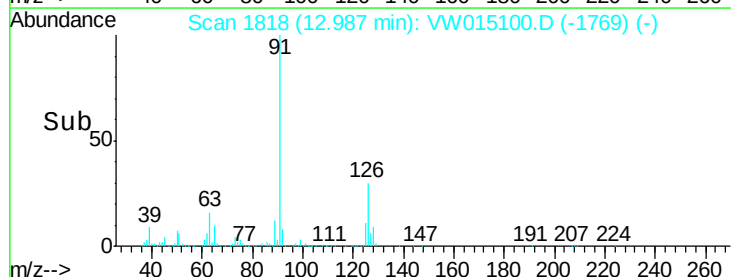
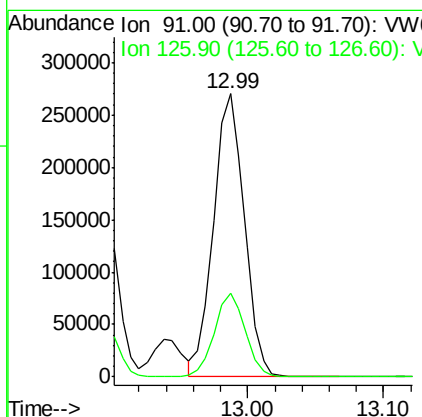
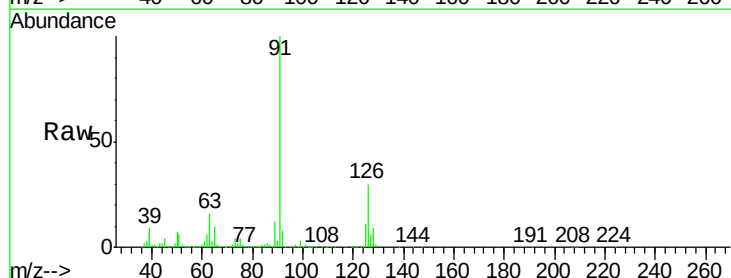
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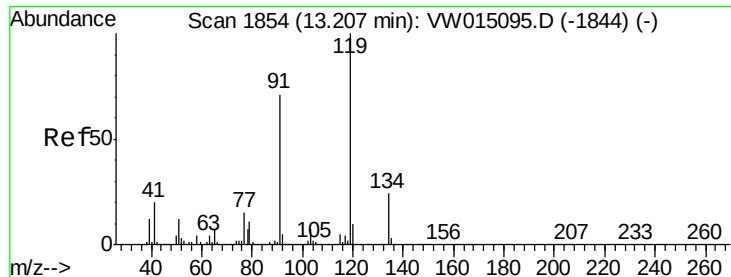
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.857 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.8	44.4





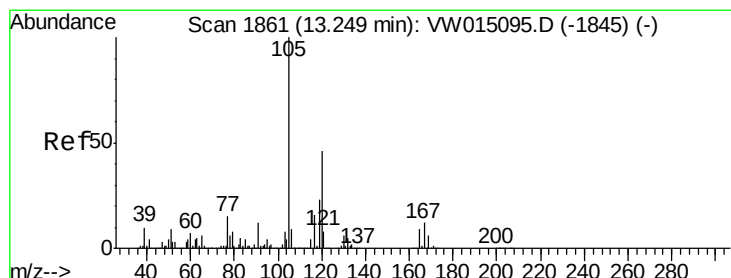
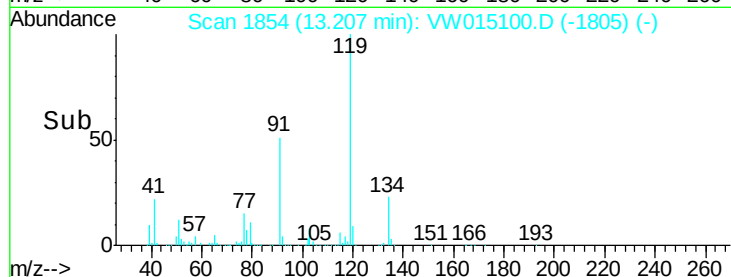
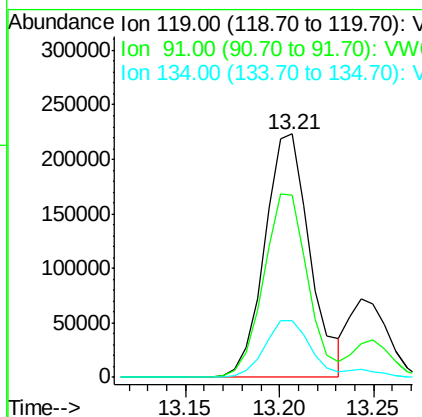
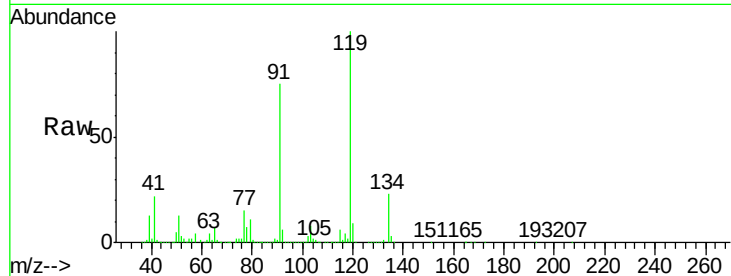
#83
 tert-Butylbenzene
 Concen: 21.510 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.3	35.7	107.1
134	25.8	12.7	38.1

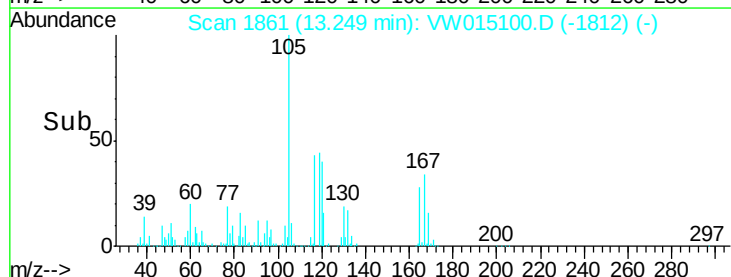
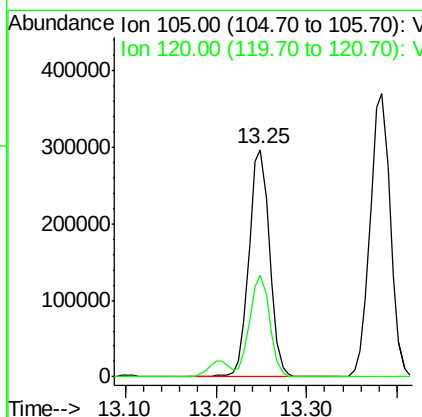
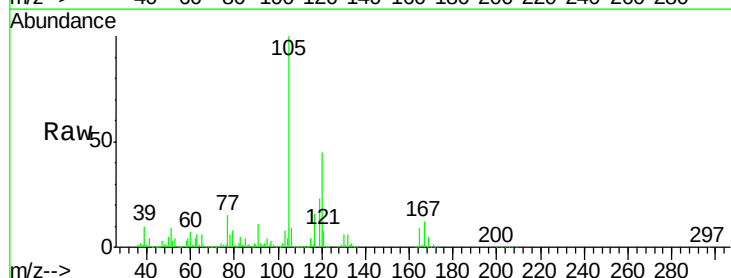
Manual Integrations
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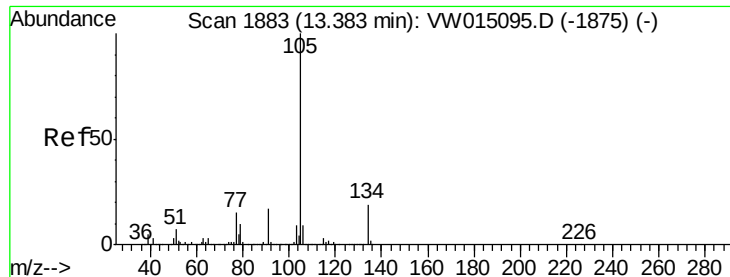
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.971 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.3





#85

sec-Butylbenzene

Concen: 21.840 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tot Ion:105 Resp: 571866

Ion Ratio Lower Upper

105 100

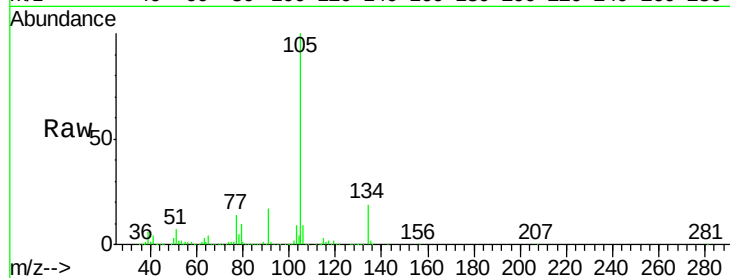
134 18.2 9.0 27.1

Manual Integrations

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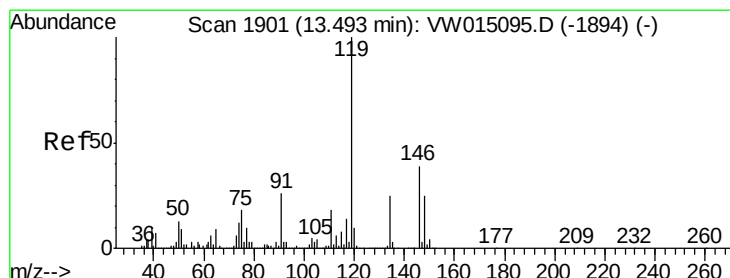
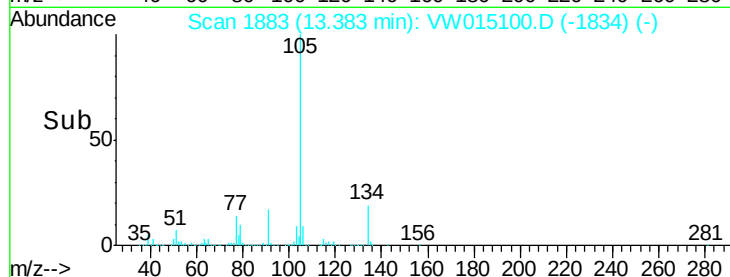
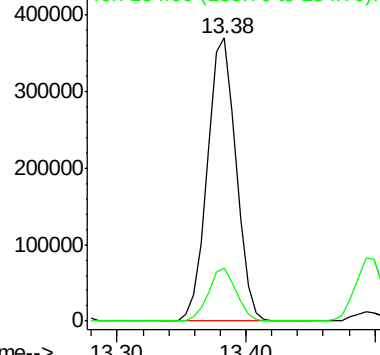
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.565 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

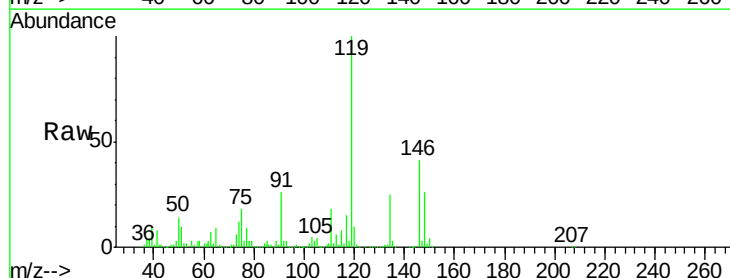
Tgt Ion:119 Resp: 485370

Ion Ratio Lower Upper

119 100

134 25.7 12.6 37.8

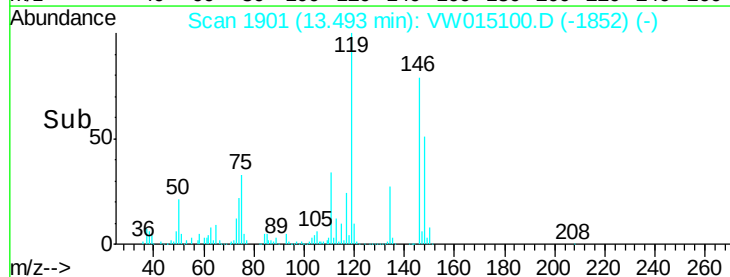
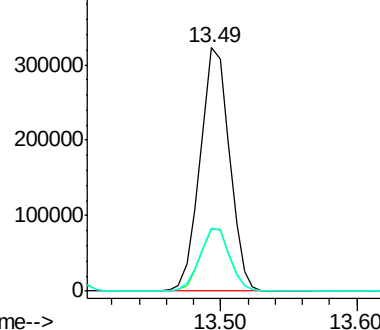
91 26.0 12.9 38.6

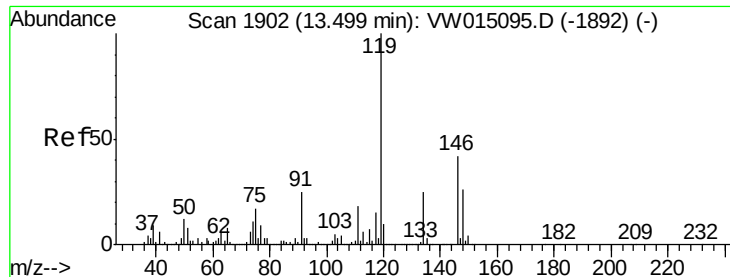


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





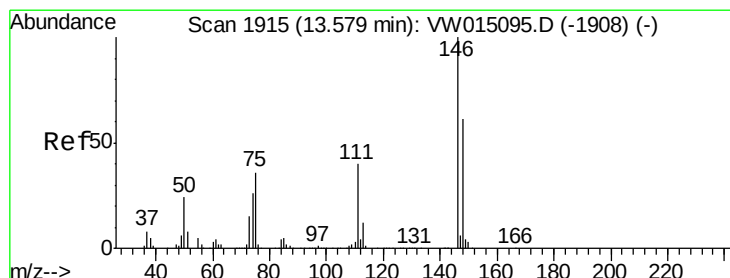
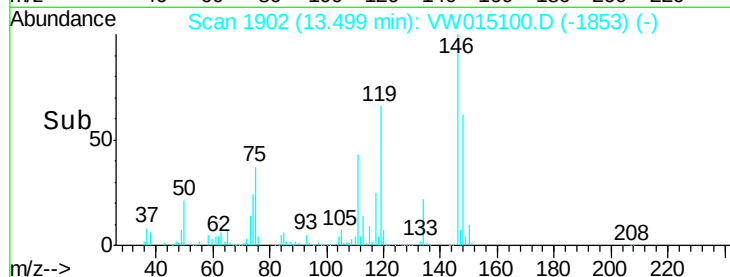
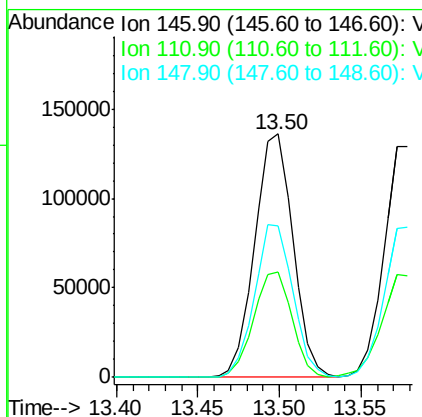
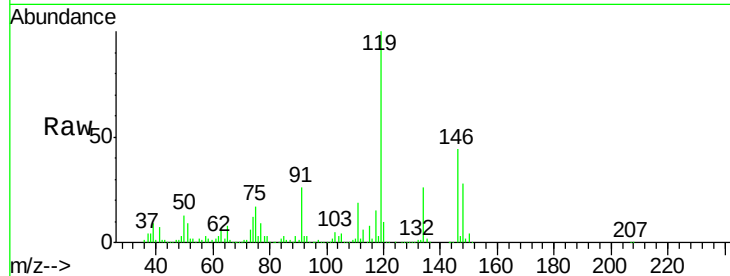
#87
 1,3-Dichlorobenzene
 Concen: 21.378 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	222380		
111	43.6	22.5	67.5	
148	62.8	31.9	95.9	

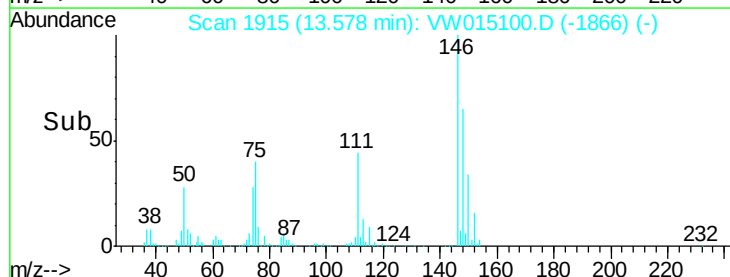
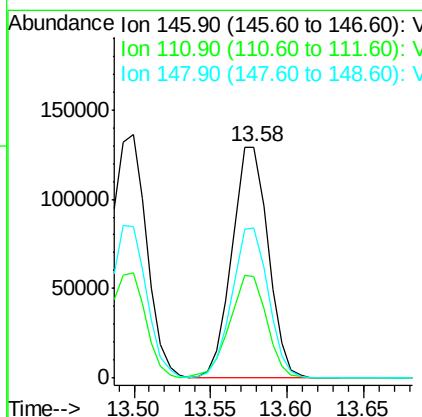
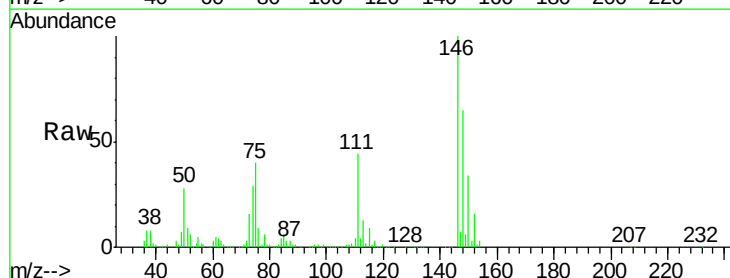
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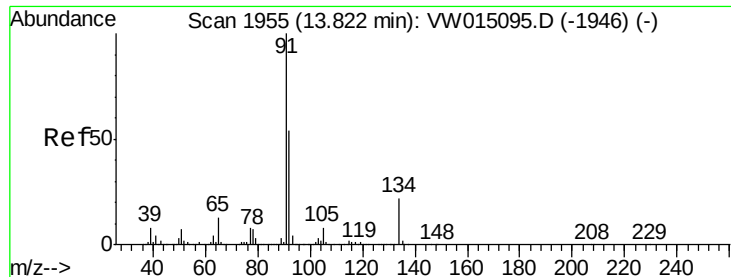
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#88
 1,4-Dichlorobenzene
 Concen: 20.806 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	213110		
111	45.7	21.3	63.9	
148	65.0	31.6	94.8	





#89

n-Butylbenzene

Concen: 21.347 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

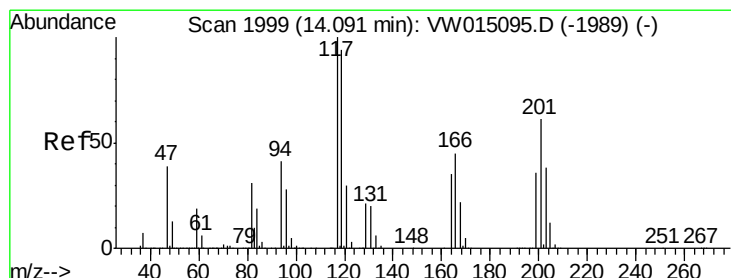
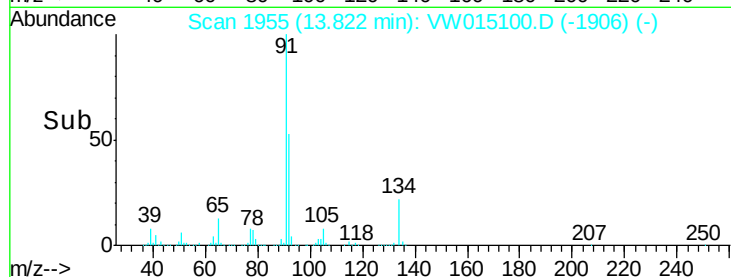
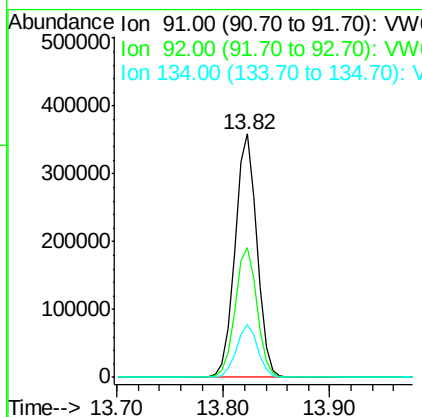
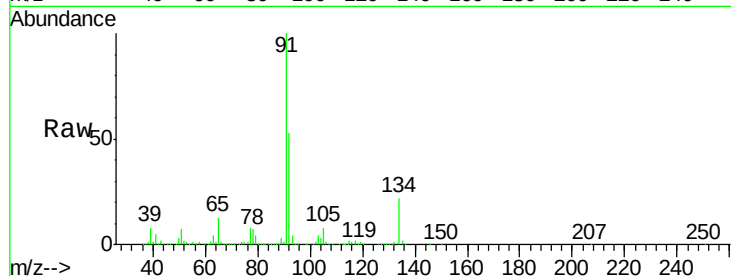
ClientSampleId :

VW0309SBS01

Tot Ion:	91	Resp:	518174
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.3
134	21.2	10.8	32.4

Manual Integrations
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#90

Hexachloroethane

Concen: 20.483 ug/l

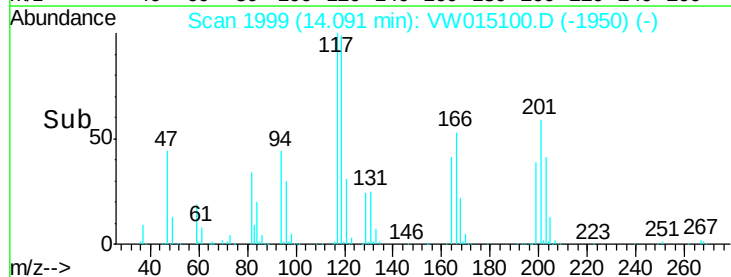
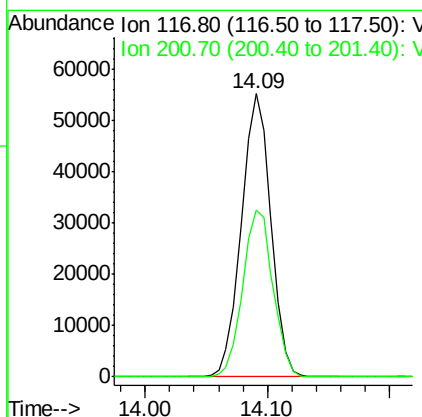
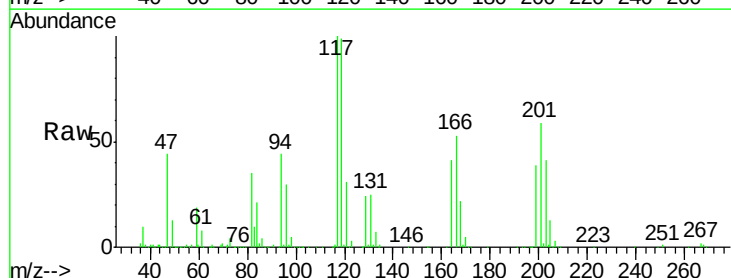
RT: 14.09 min Scan# 1999

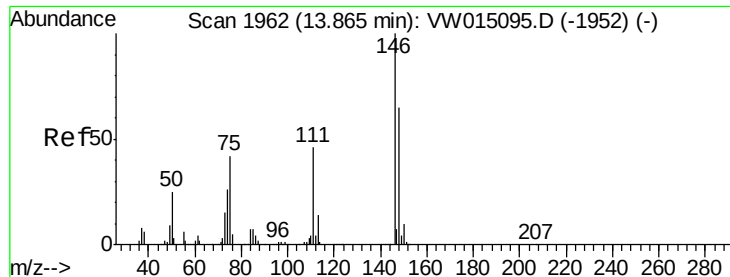
Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Tgt Ion:	117	Resp:	92459
Ion	Ratio	Lower	Upper
117	100		
201	60.2	30.3	90.9





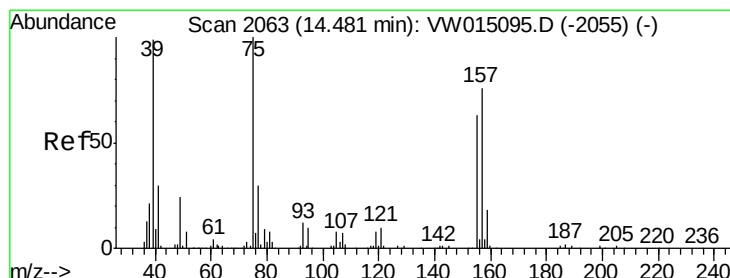
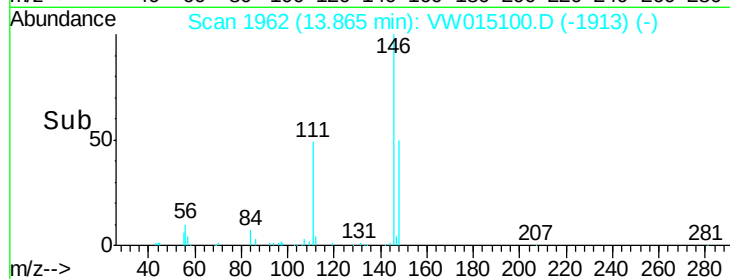
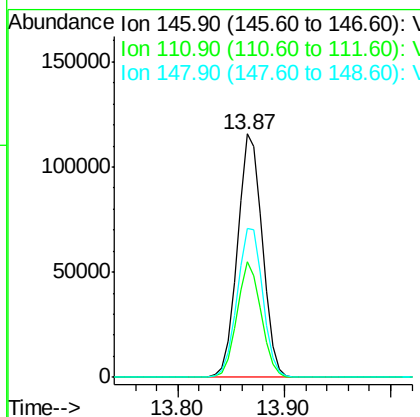
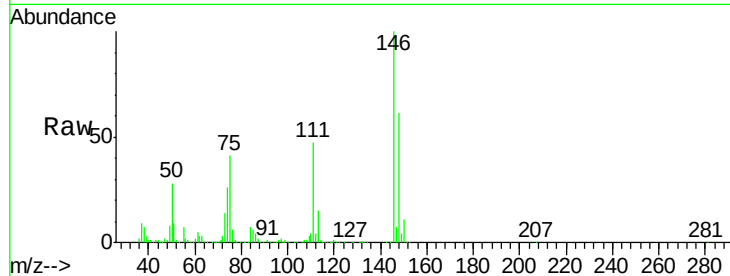
#91
 1,2-Dichlorobenzene
 Concen: 20.820 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.1	69.2
148	63.2	32.3	96.9

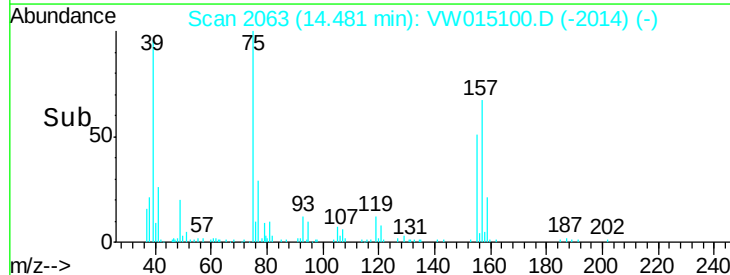
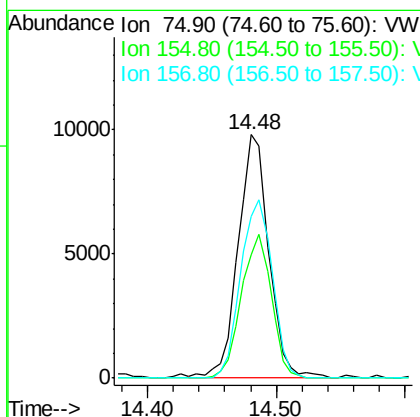
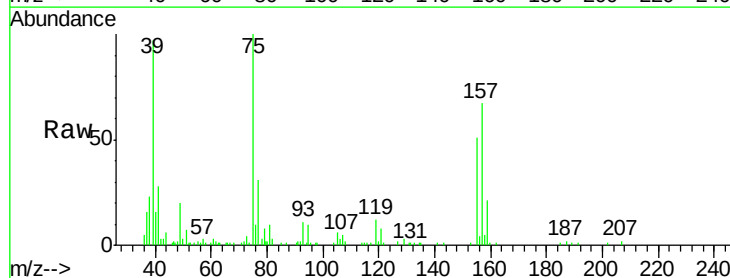
Manual Integrations
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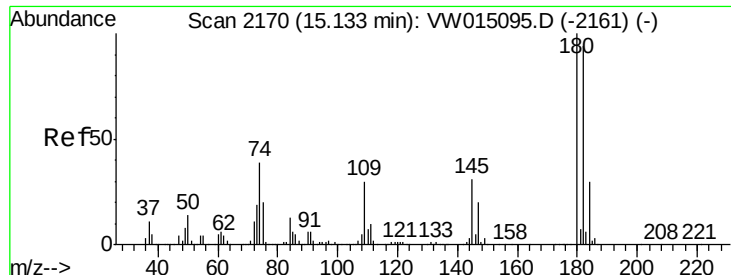
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.974 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.8	32.1	96.3
157	75.5	39.6	118.7





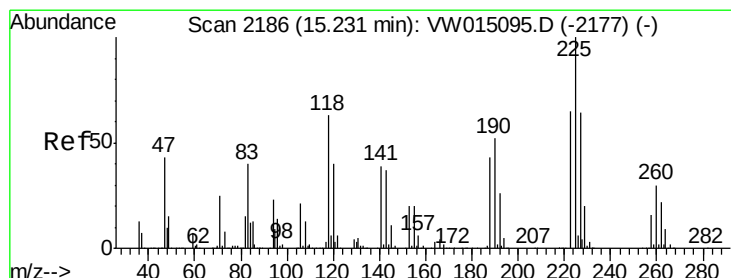
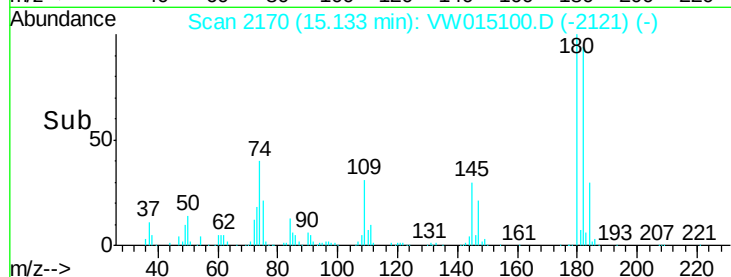
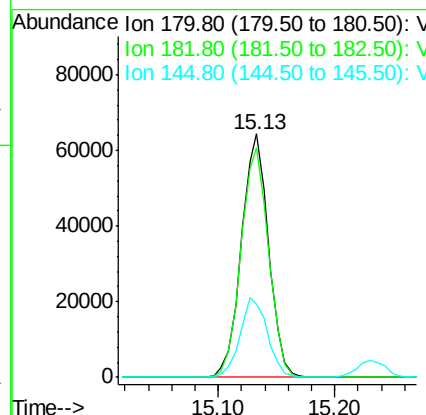
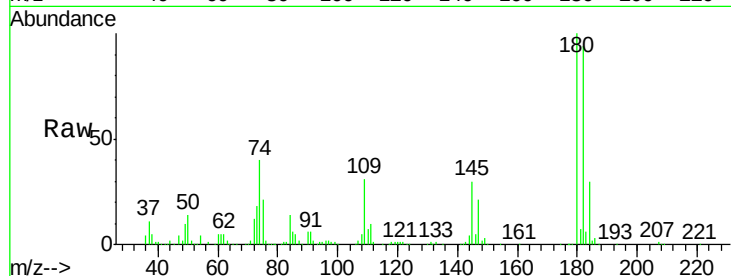
#93
1,2,4-Trichlorobenzene
Concen: 20.096 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104772		
182	95.7	47.6	142.9	
145	32.8	16.2	48.5	

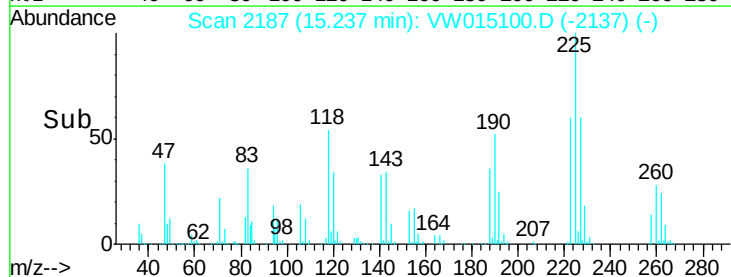
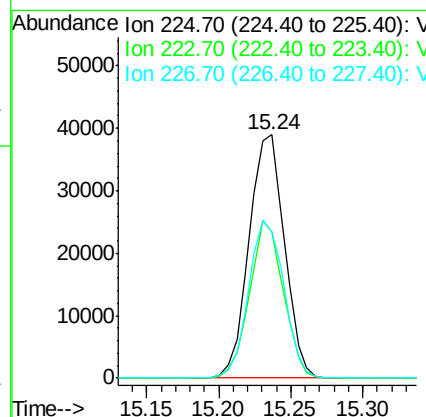
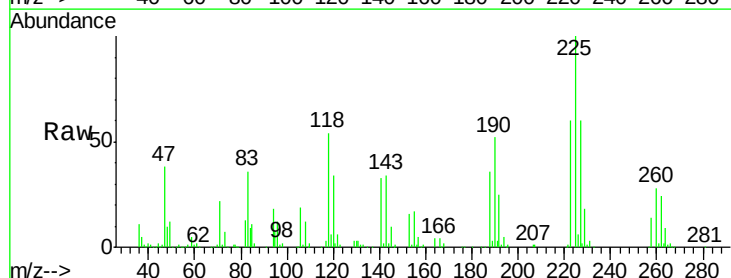
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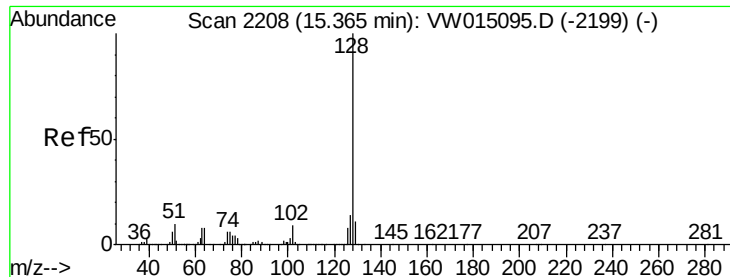
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#94
Hexachlorobutadiene
Concen: 20.229 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66216		
223	61.5	32.5	97.4	
227	64.6	33.0	99.0	





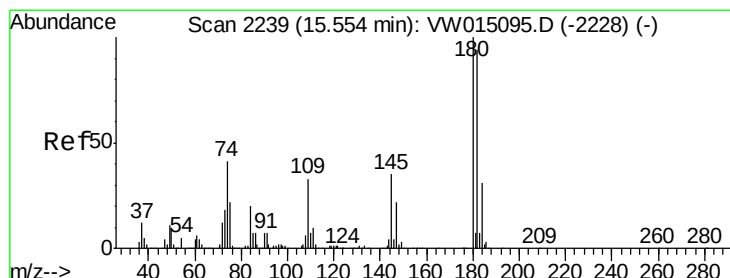
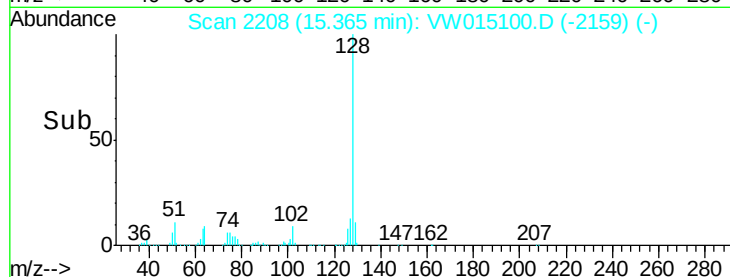
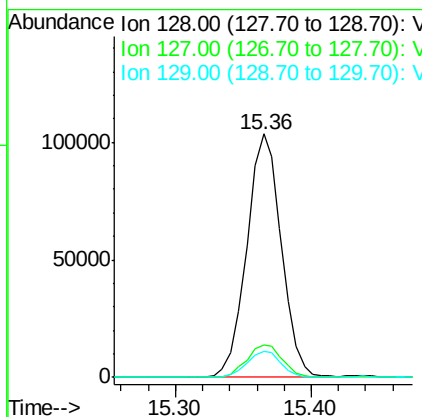
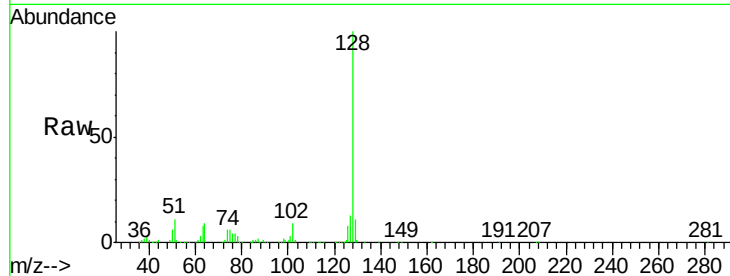
#95
Naphthalene
Concen: 18.221 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:24:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.755 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	33.6	17.5	52.6

